

# ANNUAL REPORT



Meghalaya State Pollution Control Board  
Shillong

# ANNUAL REPORT



**2009 - 2010**

**Meghalaya State Pollution Control Board**

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# 1 INTRODUCTION

The State Board for Prevention and Control of Water Pollution, Meghalaya was constituted by the Government of Meghalaya on the 16<sup>th</sup> Day of November, 1983 in pursuance of the first environmental legislation of the country, Water (Prevention & Control of Pollution) Act, 1974. The Board was rechristened as Meghalaya State Pollution Control Board in 1988. The enactment of the Air (Prevention & Control of Pollution) Act, 1981, the enforcing responsibility of the Act was entrusted to the Board. The functions of the Board are as laid down under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974 and Section 17 of the Air (Prevention and Control of Pollution) Act, 1981.

Besides the enforcement of the Water Act and the Air Act, the Board is also enforcing the following Acts, Rules and Notifications: -

- 1) The Water (Prevention and Control of Pollution) Cess Act, 1977, and as amended by Amendment Act in 1991.
- 2) The Water (Prevention and Control of Pollution) Cess Rules, 1978.
- 3) The Hazardous Waste (Management and Handling) Rules, 1989.
- 4) The Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
- 5) The Manufacture, Use, Import, Export & Storage of Hazardous Micro organism or Cells Rules, 1989.
- 6) The Public Liability Insurance Act, 1991.
- 7) The Environmental Impact Assessment Notification, 2006 and Amendment 2009.
- 8) The Chemical Accidents (Emergency Planning, Preparedness & Response) Rules, 1996.
- 9) The Bio-Medical Wastes (Management & Handling) Rules, 1998
- 10) The Recycled Plastics Manufacture and Usage Rules, 1999.
- 11) The Fly Ash Notification, 1999.
- 12) The Noise Pollution (Regulation and Control) Rules, 2000.
- 13) The Ozone Depleting substances (Regulation) Rules, 2000.
- 14) The Municipal Solid Wastes (Management & Handling) Rules, 2000.
- 15) The Batteries (Management & Handling) Rules 2001.

The Board has been functioning with 66 (SIXTY SIX) Staff as on 31-03-2010 against a sanctioned strength of 123(ONE HUNDREED TWENTY THREE). The details of staff position are given in Annexure-I. The organization chart of the Board is given in Annexure-2.

The Central Office of the Board is located in Shillong. At present, the Board does not have any Regional or District Offices. The Central Office is responsible for framing general policies relating to enforcement of the Acts and Rules. It also looks after the general administration and coordination with other agencies. Besides, it takes up public awareness programmes on matters relating to environment protection and pollution control. The Central Laboratory is well equipped and carries out analysis of samples of water, waste water, stack emission, ambient air, bacteriological tests etc.

Besides, the Board also carries out other activities relating to the abatement of pollution in the state. These activities are as follows:

- (i) Inspection of industries and local bodies.
- (ii) Monitoring the quality of water and wastewater.
- (iii) Monitoring the quality of ambient air and stack emissions.
- (iv) Inspection of sites proposed for setting up of industries to verify the suitability of the same from environmental point of view.
- (v) Water bodies monitoring under National Water Quality Monitoring (NWQM) Programme.
- (vi) Ambient air quality monitoring under National Air Monitoring Programme (NAMP).
- (vii) Offering guidance to industries and local bodies on statutory provisions.
- (viii) Issue of “Consents to Establish” and “Consents to Operate” in respects of industries, mining projects specified developmental projects and municipal bodies.
- (ix) Waste Management under E.P. Act.:
  - Hazardous Waste Management
  - Identification of Sources
  - Characterisation & Quantification of Wastes
  - Enforcement of provisions of the Rules
  - Monitoring of compliance to standards

(x) Bio-Medical Waste Management:

- Identification of Sources
- Characterisation & Quantification of Wastes
- Enforcement of Provisions of the Rules
- Monitoring of Compliance to Standards

(xi) Municipal Solid Waste Management Act:

- Identification of Sources
- Characterisation & Quantification of Wastes
- Enforcement of provisions of the Rules
- Monitoring of Compliance to Standards

(xii) Batteries Management

- Identification of Sources
- Characterisation & Quantification of Wastes
- Enforcement of Provisions of the Rules
- Monitoring of Compliance to Standards

(xiii) Plastic Management :

- Identification of Sources
- Characterisation & Quantification of Wastes
- Enforcement of Provisions of the Rules
- Monitoring of Compliance to Standards

(xiv) Noise Pollution Management :

- Identification of Sources in respect of industries.
- Enforcement of Provisions of the Rules in respect of industries.
- Monitoring the Compliance of Standards by industries.
- Monitoring of ambient noise in Industrial/Commercial/Residential areas.

## 2 CONSTITUTION OF THE BOARD AND CHANGES THEREIN

The State Government nominates the members of Meghalaya State Pollution Control Board. The Board was constituted under Section 4 of the Water (Prevention & Control of Pollution) Act, 1974 vide Notification No. PHE. 161/83/1 dt.the 16<sup>th</sup> November, 1983. The last reconstitution was notified out in May 1998 vide Notification No. PHE 161/83/178 dtd. the 21<sup>st</sup> May 1998. However, the three non- officials members were refortified vide Notification NO.PHE.161/83/187 dt.the 24<sup>th</sup> March, 1999 & NO.PHE.161/83/205 dt.the 5<sup>th</sup> January, 2001.

The Board consists of **17(seventeen) members** nominated by the State Government as per provisions laid down in Sub-Section (2) of Section 4 of the Water (Prevention and Control of Pollution) Act 1974. Besides the Chairman and the Member Secretary, there are 5(five) official members representing various State Government Departments, 5(five) members representing Local Authorities, 2(two) Members representing the Co-operatives and Corporations owned, managed or controlled by the State Government and 3(three) Non-official Members. The list of the Members of the Board is appended at **Annexure-3**.

During the financial year **2009-2010** Shri A. Biswa remained as **Chairman** and Shri D.Hooroo continued as the Member Secretary of the Board.

## 3 MEETINGS OF THE BOARD WITH MAJOR DECISIONS

### MEETINGS OF THE BOARD WITH MAJOR DECISIONS

During the year 2009-2010, the Board conducted the following Meetings :

SL NO.	MEETING NO.	DATE	VENUE	NO. OF MEMBERS ATENDING THE MEETING
1.	51 <sup>st</sup> Board Meeting	03/07/2009	Office Chamber of the Chairman, MSPCB	15
2.	52 <sup>nd</sup> Board Meeting	24/02/2010	Office Chamber of the Chairman, MSPCB	18

#### 3.1.0 The 51<sup>st</sup> Board Meeting

The 51<sup>st</sup> Meeting of the Meghalaya State Pollution Control Board was held on the 3<sup>rd</sup> July 2009 and the following decisions were taken in the Meeting:-

#### 3.1.1 : Annual Report of the Board :-

During the meeting the Members accepted and approved the Annual Reports for the years 2006-2007 & 2007-2008 and decided that the Annual Reports may be sent for final printing and a copy should be given to each Member.

#### 3.1.2 Proposal for exemption of consent fee

The Board granted the exemption of consent fee in respect of the application submitted by the MeSEB for grant of Consent to Establish a 2x40 KW Micro Hydel Project at Nongthymmai, Mawsmmai, East Khasi Hills District under the name RISAW HYDEL PROJECT as the proposed project is a developmental scheme which will benefit the people of the area especially the families living below the poverty line.

#### 3.1.3 Proposal for construction of Administrative cum Training Centre building of the Board

During the proceedings of the meeting the Members decided that the Meghalaya State Pollution Control Board should commit 10% share of the estimated cost for construction of an Administrative cum Training Centre building of the Board as desired by the MoEF on a 90:10 share basis. It was also decided that the 10% share of the cost shall be met from the Board's funds.

### **3.2.0 The 52<sup>nd</sup> Board Meeting**

The 52<sup>nd</sup> Meeting of the Meghalaya State Pollution Control Board was held on the 24<sup>th</sup> February 2010 and the following decisions were taken in the Meeting:-

#### **3.2.1 Adoption of the Revision of pay scales as per the Report of the 4<sup>th</sup> Meghalaya Pay Commission.**

The Meeting adopted the 4<sup>th</sup> Meghalaya Pay Commission w.e.f. 01-01-2007 since the pay scales of the Board's employees have been followed as per the State Govt. pay commission recommendations since its inception for implementation of the revised pay scales of its employees.

## 4 COMMITTEES CONSTITUTED BY THE BOARD AND THEIR ACTIVITIES

The “Consent Committee” and the “Purchase Committee” of the Board are **the two committees** which were reconstituted on the 20<sup>th</sup> November, 1998 and the 16<sup>th</sup> November, 2000 respectively. The Selection Committees for recruitment to various posts under the Board through direct recruitment or promotion were constituted during July 2003.

The List of the Consent Committee, the Purchase Committee, the Selection Committee (Grade-A) and the Promotion Committee (Grade-A), Composition of Promotion Committee (Grade-B,C and D), Assessment and Promotion Committee (Grade-B,C and D) are shown in the following tables respectively.

<b>TABLE – 4.0</b>		
<b>MEMBERS OF THE CONSENT COMMITTEE FOR THE PERIOD</b>		
<b>2009-10</b>		
1.	Chairman Meghalaya State Pollution Control Board, Shillong.	Chairman
2.	Senior Inspector of Boilers & Factories, Inspectorate of Boilers & Factories, Meghalaya, Shillong.	Member
3.	Conservator of Forests, Meghalaya, Shillong.	Member
4.	Deputy Director, Directorate of Industries, Meghalaya, Shillong.	Member
5.	Director of Mineral Resources, Meghalaya, Shillong.	Member
6.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	Member Convener

<b>TABALE – 4.1</b>		
<b>MEMBERS OF THE PURCHASE COMMITTEE DURING THE YEAR</b>		
<b>2009-10</b>		
1.	Chairman Meghalaya State Pollution Control Board, Shillong.	Chairman
2.	Director of Industries or his nominee.	Member
3.	Chief Engineer P.H.E Deptt. Meghalaya or his nominee	Member
4.	The Director, Regional Sophisticated Instrument Centre, Bijni Complex, N.E.H.U, Shillong.	Member
5.	Senior Scientist, Indian Council of Agricultural Research(I.C.A.R), Umiam	Member
6.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	Member Convener

<b>TABLE – 4.2</b>		
<b>MEMBERS OF THE SELECTION COMMITTEE FOR THE PERIOD</b>		
<b>2009-10 [FOR GRADE – ‘A’ POSTS]</b>		
1.	Commissioner & Secretary, Govt. of Meghalaya, P.H.E.Deptt., Shillong.	Chairman
2.	Chairman Meghalaya State Pollution Control Board, Shillong.	Member
3.	Under Secretary, Govt. of Meghalaya, P.H.E. Deptt. Shillong.	Member
4.	Environmental Engineer, I/c North Eastern Zonal Office, Central Pollution Control Board, Shillong.	Member
5.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	Member Convener

<b>TABLE – 4.3</b>		
<b>MEMBERS OF THE ASSESSMENT-CUM- PROMOTION COMMITTEE FOR THE PERIOD 2009-10[FOR GRADE – ‘A’ POSTS]</b>		
1.	Chairman Meghalaya State Pollution Control Board, Shillong.	Chairman
2.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	Member
3.	Senior Scientist/Scientist ‘C’ Meghalaya State Pollution Control Board, Shillong.	Member
4.	Sr. Environmental Engineer/ Environmental Engineer Meghalaya State Pollution Control Board, Shillong.	Member
5.	Chief Administrative Officer, O/o the C.E., P.H.E. Deptt., Meghalaya, Shillong.	Member
6.	Administrative Officer/Establishment Officer Meghalaya State Pollution Control Board, Shillong.	Member Convener

<b>TABLE – 4.4</b>		
<b>MEMBERS OF THE SELECTION COMMITTEE FOR THE PERIOD 2009-10 [FOR GRADE – ‘B’, ‘C’ &amp; ‘D’ POSTS]</b>		
1.	Chairman Meghalaya State Pollution Control Board, Shillong.	Chairman
2.	Chief Administrative Officer, O/o the C.E., P.H.E. Deptt. Shillong.	Member
3.	Environmental Engineer, I/C North Eastern Zonal Office, Central Pollution Control Board, Shillong.	Member
4.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	Member
5.	Administrative Officer/E.O. Meghalaya State Pollution Control Board, Shillong.	Member Convener

<b>TABLE - 4.5</b>		
<b>MEMBERS OF THE ASSESSMENT-CUM- PROMOTION COMMITTEE FOR THE PERIOD 2009-10 [FOR GRADE – ‘B’, ‘C’ &amp; ‘D’ POSTS]</b>		
1.	Member Secretary, Meghalaya State Pollution Control Board, Shillong.	Chairman
2.	Chief Administrative Officer, O/o the C.E., P.H.E. Deptt., Meghalaya, Shillong.	Member
3.	Senior Scientist/Scientist ‘C’ Meghalaya State Pollution Control Board, Shillong.	Member
4.	Sr. Environmental Engineer/ Environmental Engineer	Member
5.	Administrative Officer/Establishment Officer Meghalaya State Pollution Control Board, Shillong.	Member Convener

# 5 MONITORING NETWORK FOR AIR, WATER QUALITY, AND NOISE LEVEL

## 5.1 MONITORING OF AIR QUALITY

### (A) National Ambient Air Quality Monitoring

The Meghalaya State Pollution Control Board is monitoring the Ambient Air Quality at 4 (four) stations in the state under National Air Monitoring Programme (NAMP) sponsored by CPCB. The frequency of monitoring is twice a week. Suspended Particulate Matter (SPM), Respirable Suspended Particulate Matter (RSPM), Sulfur Dioxide ( $SO_2$ ), Oxides of Nitrogen ( $NO_x$ ) and meteorological parameters viz. wind speed, wind direction, ambient air temperature, humidity, etc. were monitored at these stations and the observations are presented in tables below :-

**Table 5.1.0 : Ambient Air Quality data monitoring at Board's Office Premises, Lumpyngngad, Shillong (Station – I)**

MONTH & YEAR 2009 - 2010	PARAMETERS TESTED (MONTHLY AVERAGES)				<i>Permissible Limits</i> (Annual avg.)	
	SPM ( $\mu\text{g}/\text{m}^3$ )	RSPM ( $\mu\text{g}/\text{m}^3$ )	$SO_2$ ( $\mu\text{g}/\text{m}^3$ )	$NO_x$ ( $\mu\text{g}/\text{m}^3$ )	Pollutants	Concentrations ( $\mu\text{g}/\text{m}^3$ )
APRIL'09	63.9	57.7	2.0	4.5		Residential, Rural, and Other areas
MAY'09	60.3	53.2	2.0	4.5	SPM	
JUNE'09	59.1	51.6	2.0	4.5	RSPM	60
JULY'09	53.7	47.9	2.0	4.5	$SO_2$	60
AUGUST'09	53.3	49.0	2.0	4.5	$NO_x$	60
SEPTEMBER'09	58.8	52.6	2.0	4.7	<i>Permissible limits of Ambient Air Quality Standards (National) for Residential, Rural, and Other areas as per EPA Notification GSR 176(E), April 02, 1996.</i>	
OCTOBER'09	73.9	63.5	2.0	5.1		
NOVEMBER'09	69.3	63.3	2.0	4.6		
DECEMBER'09	96.0	83.0	2.0	6.1		
<b>Annual Avg.</b>	<b>65.3</b>	<b>57.9</b>	<b>2.0</b>	<b>4.7</b>		

**Table 5.1.1 : Ambient Air Quality monitoring data at MUDA complex, Police Bazar, Shillong (Station – II)**

MONTH & YEAR	PARAMETERS TESTED (MONTHLY AVERAGES)				<i>Permissible Limits (Annual avg.)</i>	
	SPM ( $\mu\text{g}/\text{m}^3$ )	RSPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	Pollutants	Concentrations ( $\mu\text{g}/\text{m}^3$ )
2009 - 2010						
APRIL'09	129.7	93.8	2.0	10.7		Residential, Rural, and Other areas
MAY'09	116.1	87.1	2.0	9.7	SPM	140
JUNE'09	136.9	100.1	2.0	12.9	RSPM	60
JULY'09	117.4	92.5	2.0	11.1	SO <sub>2</sub>	60
AUGUST'09	112.9	90.7	2.0	4.5	NO <sub>x</sub>	60
SEPTEMBER'09	122.3	95.1	2.0	7.8	<i>Permissible limits of Ambient Air Quality Standards (National) for Residential, Rural, and Other areas as per EPA Notification GSR 176(E), April 02, 1996.</i>	
OCTOBER'09	133.4	100.1	2.0	10.4		
NOVEMBER'09	142.7	101.1	2.0	10.7		
DECEMBER'09	149.1	103.9	2.0	17.6		
<b>Annual Avg.</b>	<b>128.9</b>	<b>96.0</b>	<b>2.0</b>	<b>10.6</b>		

**Table 5.1.2 : Ambient Air Quality monitoring data at EPIP, Byrnihat, Ri-Bhoi District (Station – III)**

MONTH & YEAR 2009 - 2010	PARAMETERS TESTED (MONTHLY AVERAGES)				<i>Permissible Limits (Annual avg.)</i>	
	SPM ( $\mu\text{g}/\text{m}^3$ )	RSPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	Pollutants	Concentrations ( $\mu\text{g}/\text{m}^3$ )
APRIL'09	137.6	109.6	2.0	14.7		Industrial areas
MAY'09	129.8	105.2	2.0	11.3	SPM	360
JUNE'09	181.9	136.2	2.0	16.6	RSPM	120
JULY'09	127.9	102.8	2.0	8.0	SO <sub>2</sub>	80
AUGUST'09	213.4	170.2	10.5	10.1	NO <sub>x</sub>	80
SEPTEMBER'09	209.3	161.6	19.2	9.7	<i>Permissible limits of Ambient Air Quality Standards (National) for Industrial areas as per EPA Notification GSR 176(E), April 02, 1996.</i>	
OCTOBER'09	217.4	155.5	49.2	8.6		
NOVEMBER'09	191.4	151.3	64.7	8.5		
DECEMBER'09	194.6	154.9	54.2	14.1		
<b>Annual Avg.</b>	<b>178.1</b>	<b>138.5</b>	<b>22.8</b>	<b>11.2</b>		

**Table 5.1.3 : Ambient Air Quality monitoring data at Dawki, Jaintia Hills District (Station – IV)\***

MONTH & YEAR 2009 - 2010	PARAMETERS TESTED (MONTHLY AVERAGES)				Permissible Limits (Annual avg.)	
	SPM (µg/m <sup>3</sup> )	RSPM (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	Pollutants	Concentrations (µg/m <sup>3</sup> )
SEPTEMBER'09	63.4	48.9	2.0	4.5		Residential, Rural, and Other areas
OCTOBER'09	69.8	39.4	5.3	4.5	SPM	140
NOVEMBER'09	77.9	64.0	4.4	5.8	RSPM	60
DECEMBER'09	83.0	66.3	2.6	6.0	SO <sub>2</sub>	60
<b>Annual Avg.</b>	73.5	54.6	3.5	5.2	NO <sub>x</sub>	60
<i>Permissible limits of Ambient Air Quality Standards (National) for Residential, Rural, and Other areas as per EPA Notification GSR 176(E), April 02, 1996.</i>						

\* Station – IV has been in operation from September 2009.

**(B) State Ambient Air Monitoring Programme:**

The Board has established an Ambient Air Quality Monitoring station at Umiam Industrial area under State Air Quality Monitoring Programme (SAMP) during August 2009. The objective of the programme is to determine the status & trends of ambient air quality to ascertain whether the presented ambient air quality standards are violated. The results obtained during monitoring are depicted as follows:-

**Table 5.1.4 : State Ambient Monitoring Programme (SAMP) at Umiam Industrial Estate, Ri-Bhoi District**

MONTH & YEAR  2009 - 2010	PARAMETERS TESTED (MONTHLY AVERAGES)				<i>Permissible Limits (Annual avg.)</i>	
	SPM ( $\mu\text{g}/\text{m}^3$ )	RSPM ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	Pollutants	Concentrations ( $\mu\text{g}/\text{m}^3$ )
APRIL'09	119.9	99.3	2.0	13.2		Industrial areas
MAY'09	103.6	86.3	2.0	8.1	SPM	360
JUNE'09	123.5	103.7	2.0	9.3	RSPM	120
JULY'09	128.5	107.2	2.0	9.7	SO <sub>2</sub>	80
AUGUST'09	117.6	97.5	2.0	8.3	NO <sub>x</sub>	80
SEPTEMBER'09	129.6	112.4	2.0	8.0	<i>Permissible limits of Ambient Air Quality Standards (National) for Industrial areas as per EPA Notification GSR 176(E), April 02, 1996.</i>	
OCTOBER'09	137.9	116.1	2.0	16.1		
NOVEMBER'09	132.8	110.3	2.0	11.7		
DECEMBER'09	139.3	118.1	2.0	12.0		
<b>Annual Avg.</b>	125.8	173.0	2.0	10.7		

**(C) AMBIENT AIR QUALITY MONITORING FOR SOME INDUSTRIES**

The Board carried out ambient air (Table 5.1.5) and source emission (Table 5.1.6) quality monitoring for some industrial units operating in the state. The following results were obtained during the monitoring :-

**Table 5.1.5 : Ambient Air Quality Data**

Sl.No	Date of Sampling	Name of Industry/Location	R.S.P.M (~g/m <sup>3</sup> )	S.P.M (~g/m <sup>3</sup> )	SO <sub>2</sub> (~g/m <sup>3</sup> )	NO <sub>X</sub> (~g/m <sup>3</sup> )	Remarks	Permissible Limits (24 hrs avg.)			
								Pollutants	Con <sup>c</sup>		
1.	04.08.2009	M/S Cement Manufacturing Company Ltd., Lumshnong.	78.5	99.6	2.0	10.6	Within Permissible Limits	SO <sub>2</sub>	120 ug/m <sup>3</sup>		
	04.08.2009		45.0	63.3	2.0	8.8	Within Permissible Limits	NO <sub>X</sub>	120 ug/m <sup>3</sup>		
	04.08.2009		106.3	141.9	2.0	10.2	Within Permissible Limits	RSPM	150 ug/m <sup>3</sup>		
2.	18.08.2009	M/S RKB Cements, Barapani.	135.6	168.3	2.0	4.5	Within Permissible Limits	SPM	500 ug/m <sup>3</sup>		
3.	01.09.2009	M/S Komorrah Limestone Mining Co. Ltd., Bholaganj.	44.6	63.5	2.0	4.5	Within Permissible Limits	<i>Permissible limits of Ambient Air Quality Standards (National) for Industrial areas as per EPA Notification GSR 176(E), April 02, 1996.</i>			
	01.09.2009		65.6	95.2	2.0	4.5	Within Permissible Limits				
	02.09.2009		165.5	199.3	2.0	4.5	RSPM is above the limits				
	02.09.2009		89.8	100.0	2.0	4.5	Within Permissible Limits				
	03.09.2009		98.0	124.2	2.4	9.0	Within Permissible Limits				
	03.09.2009		145.5	168.8	2.0	4.5	Within Permissible Limits				
4.	08.09.2009	M/S Meghalaya Cements Ltd., Lumshnong.	27.5	62.3	2.0	4.5	Within Permissible Limits	<i>Permissible limits of Ambient Air Quality Standards (National) for Industrial areas as per EPA Notification GSR 176(E), April 02, 1996.</i>			
	09.09.2009		35.3	71.5	2.0	5.1	Within Permissible Limits				
5.	07.10.2009	M/S Jaintia Cements, Sutnga.	38.9	48.4	2.0	4.5	Within Permissible Limits			<i>Permissible limits of Ambient Air Quality Standards (National) for Industrial areas as per EPA Notification GSR 176(E), April 02, 1996.</i>	
	07.10.2009		32.2	39.8	2.0	4.5	Within Permissible Limits				

Sl. No	Date of Sampling	Name of Industry/Location	PM10 (~g/m <sup>3</sup> )	SO2 (~g/m <sup>3</sup> )	NOX (~g/m <sup>3</sup> )	Remarks	Permissible Limits (24 hrs avg.)	
							Pollutants	Con <sup>c</sup>
6	17.11.2009	M/S JUD Cements Ltd., Wahiajer, Narpuh Elaka.	59.7	2.0	4.5	Within Permissible Limits	SO <sub>2</sub>	80 ug/m <sup>3</sup>
	17.11.2009		74.8	2.0	7.3	Within Permissible Limits	NO <sub>x</sub>	80 ug/m <sup>3</sup>
7	24.11.2009	M/S HM Cement Ltd. EPIP, Byrnihat	118.9	14.4	13.3	Above Permissible Limits	PM 10	100 ug/m <sup>3</sup>
8	10.12.2009	MCCL, Sohra .	80.1	2.0	4.5	Within Permissible Limits	<i>Permissible limits of Ambient Air Quality Standards for Industrial, Residential, Rural, and Other areas, as per EPA Notification GSR 826(E), dated New Delhi, the 16<sup>th</sup> Nov. 2009.</i>	
	10.12.2009		79.1	2.0	7.7	Within Permissible Limits		
9.	02.02.2010	M/S Lafarge Umiam Mining (P) Ltd., Nongtra, Shella.	76.2	3.3	17.6	Within Permissible Limits		
	03.02.2010		70.4	2.4	4.5	Within Permissible Limits		
	02.02.2010		158.5	2.0	21.5	Above Permissible Limits		
	03.02.2010		38.3	2.0	4.5	Within Permissible Limits		
	03.02.2010		97.6	2.0	9.5	Within Permissible Limits		

**Table 5.1.6 : Stack Monitoring Data**

Sl. No	Date of Sampling	Name of Location	Type of Stack	Parameters tested	Observed value (mg/Nm <sup>3</sup> )	Permissible limits (mg/Nm <sup>3</sup> )	Remarks
1.	05.08.2009	M/S Cement Manufacturing Co. Ltd., Lumshnong.	Coal Mill	PM	32.2	150	Within permissible limits
	05.08.2009		Cement Mill	PM	25.6	150	Within permissible limits
	05.08.2009		Kiln & Raw Mill	PM	15.2	150	Within permissible limits
	07.08.2009		Primary crusher	PM	20.9	150	Within permissible limits
	07.08.2009		Packing plant	PM	16.0	150	Within permissible limits
2.	07.08.2009	M/s Megha Technical and Engineers (P) Ltd., Lumshnong.	Cement Mill	PM	22.7	150	Within permissible limits
3.	18.08.2009	M/S RKB Cements, Barapani.	Kiln	PM	57.4	150	Within permissible limits
	18.08.2009		Cement Mill	PM	166.8	150	Above permissible limits
	18.08.2009		Raw Mill	PM	221.9	150	Above permissible limits
4.	08.09.2009	M/S Meghalaya Cements Ltd., Lumshnong.	Kiln & Raw Mill	PM	49.7	150	Within permissible limits
	09.09.2009		Cement Mill	PM	361.9	150	Above permissible limits
	09.09.2009		Packing plant	PM	142.2	150	Within permissible limits
	09.09.2009		Primary crusher	PM	122.0	150	Within permissible limits

Sl. No	Date of Sampling	Name of Location	Type of Stack	Parameters tested	Observed value (mg/Nm <sup>3</sup> )	Permissible limits (mg/Nm <sup>3</sup> )	Remarks
	09.09.2009		Coal Mill	PM	134.0	150	Within permissible limits
5.	08.10.2009	M/S Jaintia Cements, Sutnga.	Kiln	PM	102.8	150	Within permissible limits
	08.10.2009		Cement Mill	PM	110.5	150	Within permissible limit
6.	19.11.2009	M/S JUD Cements Ltd., Wahiajer, Narpuh Elaka.	Kiln & Raw Mill	PM	26.7	150	Within permissible limits
	19.11.2009		Coal Mill	PM	24.3	150	Within permissible limits
	19.11.2009		Cooler ESP	PM	46.2	150	Within permissible limits
7.	26.11.2009	M/S HM Cement Ltd. EPIP, Byrnihat	Kiln & Raw Mill	PM	57.6	150	Within permissible limits
	26.11.2009		Coal Mill	PM	38.2	150	Within permissible limits
	26.11.2009		Cement Mill	PM	68.5	150	Within permissible limits
8.	11.12.2009	MCCL, Sohra	Cement Mill	PM	64.7	150	Within permissible limits
	11.12.2009		Coal Mill	PM	75.4	150	Within permissible limits
9.	25.01.2010	M/S Lafarge Umiam Pvt. Ltd. Nongtra, Shella.	Primary Stone Crusher	PM	60.9	150	Within permissible limits

Sl. No	Date of Sampling	Name of Location	Type of Stack	Parameters tested	Observed value (mg/Nm <sup>3</sup> )	Permissible limits (mg/Nm <sup>3</sup> )	Remarks
10.	31.03.2009	M/S Shyam Century Ferrous Ltd.,EPIP, Byrnihat.	Power plant	PM	45.6	150	Within permissible limits
11.	31.03.2009	M/S Maithan Alloys (P) Ltd.,EPIP, Byrnihat.	Power plant	PM	42.5	150	Within permissible limits
12.	31.03.2009	M/S Sree Sai Rolling Mills (P) Ltd., Byrnihat.	Induction furnace	PM	38.5	150	Within permissible limits

### (B) ASSESSMENT OF VEHICULAR POLLUTION

The Board has an Auto-emission-testing centre in its office premises at Lumpyngngad, Shillong which has been functioning since January 1994. This Centre caters to the exhaust testing needs for the commercial petrol - driven light vehicles only.

As per arrangement with the Office of the Commissioner of Transport, Meghalaya, the periodical renewals of permits of taxis are subject to submission of "Green Certificates" issued from the Office of the Board. During the year 2009-2010, the number of vehicles tested at the Centre is as follows:-

PERIOD	TYPE OF VEHICLES	TOTAL NO. OF VEHICLES TESTED	PERCENTAGE OF VEHICLES COMPLYING TO EMISSION STANDARDS	PERCENTAGE NOT COMPLYING TO EMISSION STANDARDS
01.04.2009 to 31.03.2010	Petrol-Driven LMV	1287	95%	4.1%

## 5.2 MONITORING OF WATER QUALITY

### (A) Water Quality Monitoring Network

One of the main functions of the Board is to monitor the water quality of water bodies so that a comprehensive programme for prevention and control on abatement of water pollution can be planned. Keeping this in view the Meghalaya State Pollution Control Board is monitoring the water quality of the following 8(eight) surface water bodies and 5(five) ground water bodies in the state, under the National Water Monitoring Programme (NWMP), sponsored by CPCB. The monitoring is done on quarterly basis in surface water and Half Yearly in case of ground water.

The details regarding the monitoring stations is as stated below

**Table -5.2.1: Monitoring Stations under National Water Monitoring Programme**

Sl.No.	Name of monitoring stations	Location	Parameters analysed on regular basis	Parameters analysed (Once in a Year)
<b>Surface Water</b>				
1	Umtrew river	Byrnihat	<b><u>i.Field Observation:</u></b>	
2	Kyrhukhla river	Khliehriat	i. Weather, Colour & intensity, Odor, Visible effluent discharge, human.  ii. <b><u>Physico-chemical &amp; bacteriological parameters:</u></b> Dissolved Oxygen ,pH, Conductivity, Biological Oxygen Demand, Nitrate Nitrogen, Nitrite Nitrogen, Total Coliform and Fecal Coliform	Turbidity,
3	Umiam lake	Umiam		Alkalinity, Total
4	Ward's lake	Shillong		Hardness, NH3-N,
5	Thadlaskein lake	Thadlaskein		Kjeldahl-N,
6	Myntdu river	Jowai		Calcium,
7	Ganol river	Tura		Magnesium,
				Potassium, Sodium, Sulphates,
			Phosphates, COD,	
			As, Zn, Cu, Cr, Cd, Pb, Fe, Ni, Flouride	

8	Simsang river	Williamnagar	iii. <b>Biomonitoring:</b> Saprobity Index, Diversity Index	
<b>Ground Water</b>				
9	Police Bazar spring	Shillong		
10	Mawpdang spring	Shillong		
11	Wah U Dkhar	Sohra		
12	Umsahep spring	Shangpung		
13	Narbong well	Byrnihat		

### 5.2.1: Water Quality of the monitored water bodies.

#### 5.2.1.1: Physico-chemical & bacteriological parameters of Surface Water Quality

**Umiam Lake:** In the year 2009, the level of the Dissolved Oxygen values is meeting the desired class throughout the year. The Biochemical Oxygen Demand value is above 3mg/L which is found to be above the desired class, the value ranges from 7.7mg/L to 9.4mg/L. The organic pollution examined in terms of Biochemical Oxygen Demand & Coliform count indicates the extent of water quality degradation. Similarly Total and Faecal Coliform which indicate presence of pathogens in water are also of major concern. As per the Primary Water Quality Criteria this water body falls under 'D' class indicating that the quality of the lake water is suitable for preparation of wildlife and fisheries. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform of the monitoring station is depicted in figures below.



Fig 1.0: Concentration of Dissolved Oxygen & Bio-Chemical Oxygen Demand of Umiam Lake

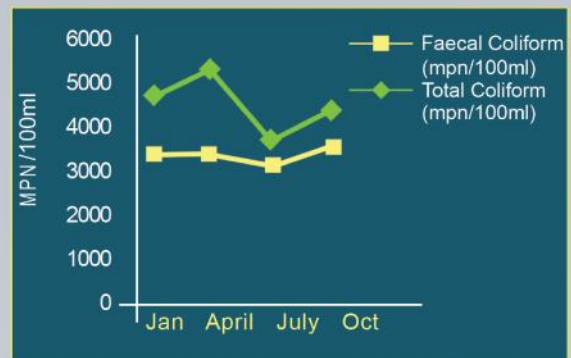
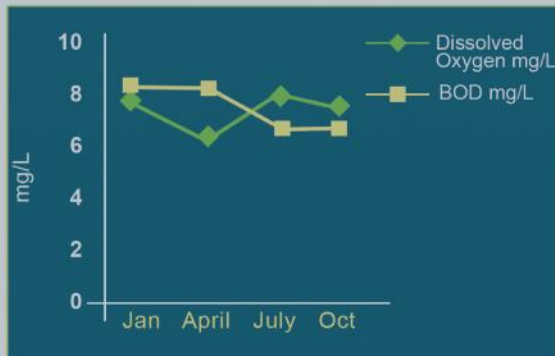
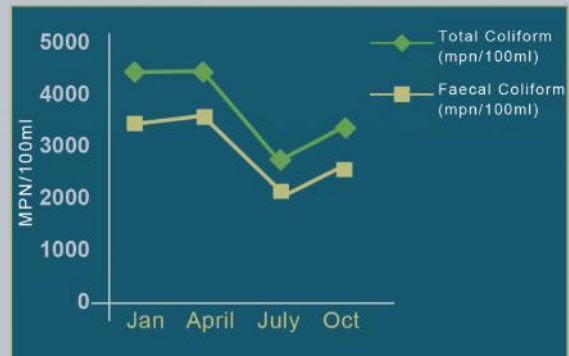


Fig 2.0: Bacterial Count (Total & Faecal Coliform) of Umiam Lake

**Ward's Lake:** In the year 2009 the Dissolved Oxygen value is meeting the desired class and the value ranges from 6.5mg/l to 7.8mg/l. The Biochemical Oxygen Demand value is above the desired class and it ranges from 6.5mg/l to 8.2mg/l. The total and Faecal Coliform are high indicating the deteriorating condition of the lake. The monitoring data results indicate that Biochemical Oxygen Demand and bacterial contaminations are the main critical pollutant in the water body. As per the Primary Water Quality Criteria, the lake falls under 'D' class. The water quality of the lake with respect to Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform is presented below.



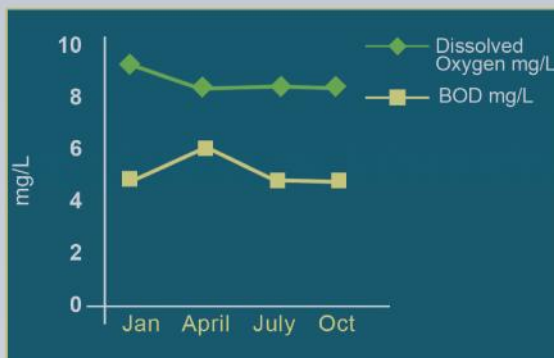
**Fig 3.0: Concentration of Dissolved Oxygen & Bio-Chemical Oxygen Demand of Ward's Lake**



**Fig 4.0: Bacterial Count (Total & Faecal Coliform) of Ward's Lake**

**Umtrew River:** In the year 2009 the Dissolved Oxygen value is within the desired limit and it ranges from 8.4 mg/l to 9.0 mg/l. The Biochemical Oxygen Demand is above the limit for the desired class, value ranges from 5.0mg/l to 6.0mg/l The Total and Fecal Coliform are also detected although their numbers are within the limit for the desired class.

As per the Primary Water Quality Criteria, the river water falls under 'D' class. The water quality with respect to Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform is presented in figures below.



**Fig 5.0: Concentration of Dissolved Oxygen & Bio-Chemical Oxygen Demand of Umtrew River**



**Fig 6.0: Bacterial Count (Total & Faecal Coliform) of Umtrew River**

**Kyrhuhkhla River:** In the year 2009 the pH value was found to be as low as 2.7. The Biochemical Oxygen Demand value is found to be above the limit for the desired class and ranges from 5.0mg/l to 8.0mg/l. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform is presented in figures below.

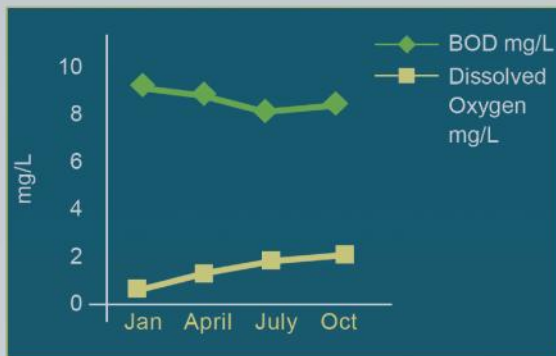


**Fig 7.0: Concentration of Dissolved Oxygen & Bio-Chemical Oxygen Demand of Kyrhuhkhla River**



**Fig 8.0: Bacterial Count (Total & Faecal Coliform) of Kyrhuhkhla River**

**Thadlaskein Lake:** The monitoring results show the presence of organic pollutant viz Biochemical Oxygen Demand, Total and Faecal Coliform are also detected. The lake water falls under ‘C’ class as per Primary Water Quality Criteria. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform of the monitoring station are depicted in figures below.



**Fig 9.0: Concentration of Dissolved Oxygen & Bio-Chemical Oxygen Demand of Thadlaskein Lake**

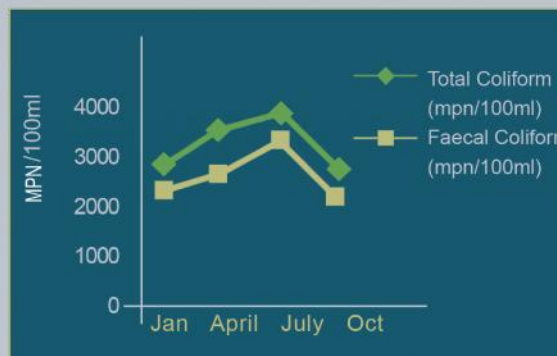


**Fig 10.0: Bacterial Count (Total & Faecal Coliform) Thadlaskein Lake**

**Myntdu River:** The monitoring results reveal the presence of Total and Faecal Coliform. As per the Primary Water Quality Criteria, the river water falls under ‘C’ class. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform are depicted in figures below.

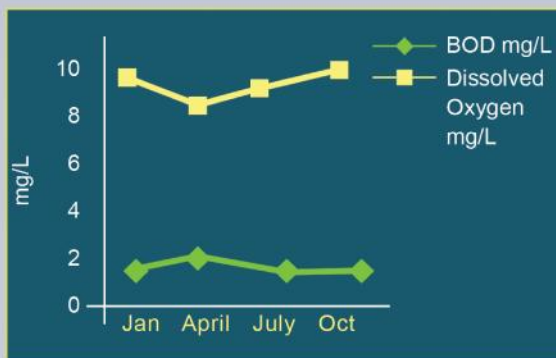


**Fig 11.0: Concentration of Dissolved Oxygen & Bio-Chemical Oxygen Demand of Myntdu River**

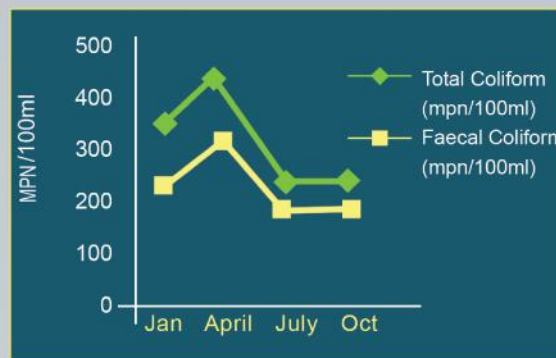


**Fig 12.0: Bacterial Count (Total & Faecal Coliform) of Myntdu River**

**Ganol River:** The monitoring results show the contamination of water body by Total & Faecal Coliform. As per Primary Water Quality Criteria, the river water falls under ‘B’ class. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform are depicted in figures below.



**Fig 13.0: Concentration of Dissolved Oxygen & Bio-Chemical Oxygen Demand of Ganol River**



**Fig 14.0: Bacterial Count (Total & Faecal Coliform) of Ganol River**

**Simsang River:** The monitoring results show the presence of Bacterial Count ranging from 280mpn/100ml-460mpn/100ml for Total Coliform and 170mpn/100ml-330 mpn/100ml for Faecal coliform. As per the Primary Water Quality Criteria, the river water falls under ‘B’ class. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform are depicted in figures below.

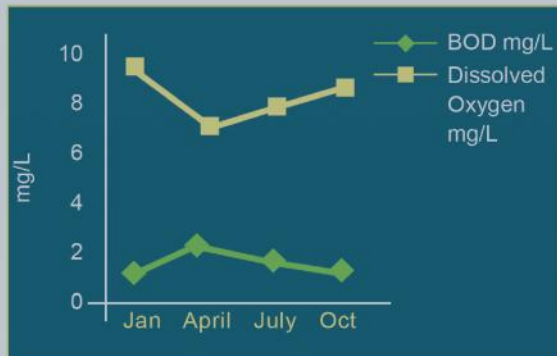


Fig 15.0: Concentration of Dissolved Oxygen & Bio-Chemical Oxygen Demand of Simsang River

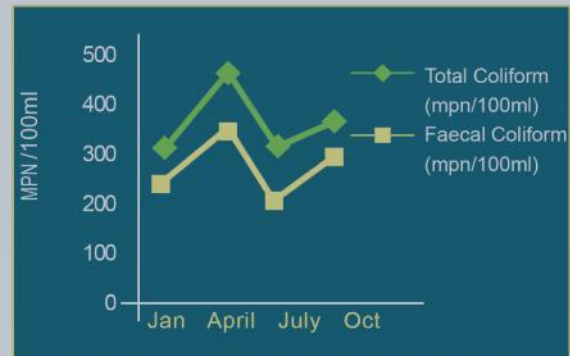


Fig 16.0: Bacterial Count (Total & Faecal Coliform) of Simsang River

#### 5.2.1.2: Physico-chemical & bacteriological parameters of Ground Water Quality:

The monitoring results revealed the presence of Total and Faecal Coliform. Presence of Coliform in all monitored ground waterbody indicate the possibility of ground water contamination. The concentration of Dissolved Oxygen, Biochemical Oxygen Demand, Total and Faecal Coliform are presented in Table below:

Table 5.2.2: Ground water quality monitoring during 2009

Stations	April 2009				October 2009			
	D.O mg/l	B.O.D mg/l	T.C MPN/100ml	F.C MPN/100ml	D.O mg/l	B.O.D mg/l	T.C MPN/100ml	F.C MPN/100ml
Police Bazar Spring, Shillong	3.0	2.4	46	33	5.0	1.5	70	49
Mawpdang Spring, Shillong	3.5	3.2	110	79	4.0	2.5	94	70
Wah-U-Dkhar Spring, Sohra	6.8	0.25	33	27	8.0	0.18	26	17

<b>Umsahep Spring, Shangpung</b>	<b>8.5</b>	<b>0.8</b>	<b>26</b>	<b>17</b>	<b>8.2</b>	<b>1.4</b>	<b>33</b>	<b>22</b>
<b>Narbong Well, Byrnihat</b>	<b>3.0</b>	<b>1.0</b>	<b>49</b>	<b>33</b>	<b>5.0</b>	<b>-</b>	<b>33</b>	<b>23</b>

**Table 5.2.3: Primary water quality criteria for various uses of fresh waters**

Sl.No.	Characteristics	A*	B*	C*	D*	E*
1.	<b>Dissolved Oxygen (DO), mg/l,Min</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>-</b>
2.	<b>Biochemical Oxygen Demand(BOD),mg/l,Max</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>-</b>	<b>-</b>
3.	<b>Total Coliform organism** MPN/100ml,Max.</b>	<b>50</b>	<b>500</b>	<b>5,000</b>	<b>-</b>	<b>-</b>
4.	<b>pH value</b>	<b>6.5-8.5</b>	<b>6.5-8.5</b>	<b>6.0-9.0</b>	<b>6.5-8.5</b>	<b>6.5-8.5</b>
5.	<b>Free ammonia (as N), mg/l,Max</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1.2</b>	<b>-</b>
6.	<b>Electrical conductivity, micromhos/cm,Max.</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,250</b>
7.	<b>Sodium adsorption ratio,Max</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>26.0</b>
8.	<b>Boron, mg/l,Max</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2.0</b>

Source: CPCB

Use class: (A) drinking water source without conventional treatment but after disinfection, (B) outdoor bathing organized, (C) drinking water source with conventional treatment followed by disinfection, (D) propagation of wildlife, fisheries, (E) irrigation, industrial cooling controlled waste disposal. \*\*If coliforms are found to be more than the prescribed tolerance limits the criteria for coliforms shall be satisfied if not more than 20% of samples show more than the tolerance limits specified, and not more than 5% of samples show value more than 4 times the tolerance limits. There should be no visible discharge of domestic and industrial wastes into Class A waters. In case of Class B and C the discharge shall be so regulated /treated as to ensure maintenance of the stream standards. Source: CPCB Publication ADSORBS /3/1978-79.

**5.2.4 : Concentrations of Heavy Metals in Surface Water Bodies**

The Board is monitoring the concentration of Heavy Metals of the following 8 (eight) surface water bodies in the state, under the National Water Monitoring Programme (NWMP), sponsored by CPCB. The monitoring is done once in a year. Table below presents the data on concentration of Heavy Metals in Surface Water Bodies.

**Table-5.2.4 : Concentration of Heavy Metals in Surface Water Bodies, 2009.**

Sl. No.	Station Name	Parameters							
		Nickel (mg/l)	Copper (mg/l)	Zinc (mg/l)	Lead (mg/l)	Chromium (mg/l)	Cadmium (mg/l)	Arsenic (mg/l)	Iron (mg/l)
1.	Umiam Lake	BDL	BDL	0.25	BDL	BDL	BDL	BDL	0.26
2.	Ward's Lake	BDL	BDL	0.55	BDL	BDL	BDL	BDL	0.2
3.	Umtrew River	BDL	BDL	0.02	BDL	BDL	BDL	BDL	0.20
4.	Kyrhuhkhla River	0.01	0.02	0.17	0.03	BDL	BDL	BDL	3.0
5.	Thadlaskein Lake	BDL	BDL	0.02	BDL	BDL	BDL	BDL	0.6
6.	Myntdu River	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.8
7.	Ganol River	BDL	BDL	0.05	BDL	0.02	BDL	BDL	0.4
8.	Simsang River	BDL	BDL	0.02	BDL	BDL	BDL	BDL	0.2

**5.2.5 : Metals in Ground Water**

Since the ground water monitored under NWMP are mostly used for drinking purposes the concentration of the metals in these stations is compared with the I.S. standards for drinking. In interpreting the data during 2009 presented below, it is found that the metal concentration is within desirable limits except iron at police bazaar spring which is above the limit.

**Table-5.2.5 : Metals of Ground Water for the year 2009, with desirable limit as per IS10500:1991**

Sl. No.	Parameters	Desirable Limits ISI-10,555 1991,	Station Name				
			Police Bazar	Mawpdang	Wah-U-Dkhar	Umsahep	Narbong
1.	Nickel (mg/l)	BDL	BDL	BDL	BDL	BDL	BDL
2.	Copper (mg/l)	0.05	BDL	BDL	BDL	BDL	BDL
3.	Zinc (mg/l)	5.0	0.04	0.6	0.12	0.30	0.26
4.	Lead (mg/l)	0.05	BDL	BDL	BDL	BDL	BDL
5.	Chromium (mg/l)	-	BDL	BDL	BDL	BDL	BDL
6.	Cadmium (mg/l)	0.01	BDL	BDL	BDL	BDL	BDL
7.	Arsenic (mg/l)	0.01	BDL	BDL	BDL	BDL	BDL
8.	Iron (mg/l)	0.3	0.9	0.05	0.01	0.02	0.16

### 5.2. 6 : Biomonitoring of Surface Water Bodies

The biological data generated from the monitoring are being analyzed computing the respective biological indices and are presented in Table below.

**Table 5.2.6 : Bio-Monitoring of Surface Water Bodies, 2009**

Sl. No.	Surface Water Bodies	Saprobic Score	Diversity Score	Biological Water Quality Class	Biological Water Quality
1.	Umiam	4.0-4.2	0.4	C	Moderate Pollution
2.	Ward's Lake	5.0-5.4	0.4-0.42	C	Moderate Pollution
3.	Umtrew	5.0-5.2	0.4-0.45	C	Moderate Pollution
4.	Kyrhuhkhla	5.0-5.4	0.4-0.5	C	Heavy Pollution
5.	Thadlaskein	6.0	0.52-0.55	B	Moderate Pollution
6.	Myntdu	5.2-5.8	0.45-0.5	B	Slight Pollution
7.	Ganol	6.2-6.5	0.50-0.55	B	Moderate Pollution
8.	Simsang	6.0-6.2	0.54-0.55	C	Moderate Pollution

### 5.2(B) Analysis of water samples received from government departments and private agencies

In addition to the regular programme, the Board is also engaged for analysis of water samples for drinking, construction purposes, soil samples etc received from government departments, private agencies and research scholars. A total of 324 samples were tested during the year.

### 5.2 NOISE LEVEL MONITORING DURING DIWALI FESTIVAL.

Monitoring of noise levels was carried out at selected location of Shillong on the 13<sup>th</sup> October 2009 before Diwali and on Diwali Day i.e. the 17<sup>th</sup> October 2009 to compare the noise levels during day time and night time before and on the Festival day. The monitoring was conducted in compliance with the Govt. of India Notification NO. G.S.R. 682 (E) dated 5<sup>th</sup> October, 1999 and the interim directions of the Honorable Supreme Court.

The findings of the monitoring results are presented in tables 5.3.0 & 5.3.1. Table 5.3.0 presents the day and night time noise levels at Lumpyngngad prior to and on Diwali day. As per the findings it can be observed that there is not much difference in the day and night average equivalent sound level (Leq) prior to and on Diwali day. However, the noise level on Diwali day is observed to be at its peak in the time slot between 18:00 Hrs. (6:00 p.m.)

to 22:00 Hrs. (10:00 p.m.) which is the usual observed time period where the bursting of crackers is maximum. Table 5.3.1 presents the day and night time noise levels at Police Bazar on prior and on Diwali day. It is observed that there is no marked difference in day time average equivalent sound level (Leq) at Police Bazar prior to and on Diwali day. However, the average night time sound level on Diwali day is quite high compared to prior Diwali. On Diwali day the maximum noise level recorded is seen to be in the time slot between 20:00 Hrs. (8:00 p.m.) and 23:00 Hrs (11:00 p.m.).

The bursting of fire crackers releases toxic substance into the surroundings. These are not just harmful to human beings but to all living creatures.

The high level of noise generated by the crackers also causes immense suffering to birds and animals. Carelessness during Diwali Festival can have detrimental effect on the environment. Therefore without dampening the spirit of Diwali, there are other possible means of celebrating in a healthy manner.

To protect oneself and the environment must be the motto on Diwali each year. This means that-

- We use only legal firecrackers.
- Fireworks are lighted only in open spaces.
- Only close fitting and cotton or 'khadi' clothes are worn, especially when lighting crackers.
- A safe distance is maintained while igniting crackers.
- A tub of water is always handy in the event of a fire accident: if burns do occur, run cold water over the affected part and consult a doctor immediately.
- No firecrackers are burst close to hospitals or other 'silence zones'.

**Table 5.3.0 : AMBIENT NOISE LEVEL AT LUMPYNGGAD BEFORE AND ON DIWALI DAY 2009  
(CATEGORY – RESIDENTIAL AREA)**

Sl. No.	Time Duration	Ambient Noise standard dB(A) Leq	Noise Monitored	
			Before Diwali	On Diwali day
			13 <sup>th</sup> October 2009	17 <sup>th</sup> October 2009
1.	00:00 Hrs. to 01:00 Hrs.	45	43.1	42.7
2.	01:00 Hrs. to 02:00 Hrs.	45	40.8	43.0
3.	02:00 Hrs. to 03:00 Hrs.	45	40.4	43.6
4.	03:00 Hrs. to 04:00 Hrs.	45	41.4	43.0
5.	04:00 Hrs. to 05:00 Hrs.	45	40.9	42.6
6.	05:00 Hrs. to 06:00 Hrs.	45	42.3	43.7
7.	06:00 Hrs. to 07:00 Hrs.	55	47.7	42.7
8.	07:00 Hrs. to 08:00 Hrs.	55	53.1	43.8
9.	08:00 Hrs. to 09:00 Hrs.	55	54.5	48.1
10.	09:00 Hrs. to 10:00 Hrs.	55	51.2	46.7
11.	10:00 Hrs. to 11:00 Hrs.	55	52.4	48.8
12.	11:00 Hrs. to 12:00 Hrs.	55	50.1	47.4
13.	12:00 Hrs. to 13:00 Hrs.	55	50.3	47.6
14.	13:00 Hrs. to 14:00 Hrs.	55	48.9	48.0
15.	14:00 Hrs. to 15:00 Hrs.	55	45.4	48.6
16.	15:00 Hrs. to 16:00 Hrs.	55	44.0	52.3
17.	16:00 Hrs. to 17:00 Hrs.	55	51.0	51.0
18.	17:00 Hrs. to 18:00 Hrs.	55	53.9	49.6
19.	18:00 Hrs. to 19:00 Hrs.	55	53.1	57.8
20.	19:00 Hrs. to 20:00 Hrs.	55	52.6	57.7
21.	20:00 Hrs. to 21:00 Hrs.	55	52.2	59.9
22.	21:00 Hrs. to 22:00 Hrs.	45	45.8	58.8
23.	22:00 Hrs. to 23:00 Hrs.	45	43.4	52.8
24.	23:00 Hrs. to 24:00 Hrs.	45	42.6	45.6
Average equivalent sound level (Leq) in dB(A)	Day time (06:00Hrs. to 21:00 Hrs.)		50.7	50.0
	Night time (00:00 Hrs. to 06:00 Hrs. and 21:00 Hrs. to 24:00 Hrs.)		42.3	46.2

- Note :
1. Day time is reckoned between 6:00 a.m. and 9:00 p.m.
  2. Night time is reckoned between 9:00 p.m. and 6:00 a.m.
  3. Ambient Noise Standards as per Noise Pollution (Regulation & Control), Rules, 2000.

**Table 5.3.1 : AMBIENT NOISE LEVEL AT POLICE BAZAR BEFORE AND ON DIWALI DAY 2009  
(CATEGORY – COMMERCIAL AREA)**

Sl. No.	Time Duration	Ambient Noise standard dB(A) Leq	Noise Monitored	
			Before Diwali	On Diwali day
			13 <sup>th</sup> October 2009	17 <sup>th</sup> October 2009
1.	00:00 Hrs. to 01:00 Hrs.	55	45.0	54.2
2.	01:00 Hrs. to 02:00 Hrs.	55	40.6	43.4
3.	02:00 Hrs. to 03:00 Hrs.	55	41.6	40.6
4.	03:00 Hrs. to 04:00 Hrs.	55	39.9	41.1
5.	04:00 Hrs. to 05:00 Hrs.	55	48.3	42.8
6.	05:00 Hrs. to 06:00 Hrs.	55	51.0	50.0
7.	06:00 Hrs. to 07:00 Hrs.	65	55.1	60.5
8.	07:00 Hrs. to 08:00 Hrs.	65	56.0	60.1
9.	08:00 Hrs. to 09:00 Hrs.	65	65.9	53.0
10.	09:00 Hrs. to 10:00 Hrs.	65	66.6	62.2
11.	10:00 Hrs. to 11:00 Hrs.	65	67.9	62.5
12.	11:00 Hrs. to 12:00 Hrs.	65	67.8	63.0
13.	12:00 Hrs. to 13:00 Hrs.	65	67.9	66.1
14.	13:00 Hrs. to 14:00 Hrs.	65	72.7	65.9
15.	14:00 Hrs. to 15:00 Hrs.	65	68.5	66.9
16.	15:00 Hrs. to 16:00 Hrs.	65	68.8	67.1
17.	16:00 Hrs. to 17:00 Hrs.	65	68.7	67.5
18.	17:00 Hrs. to 18:00 Hrs.	65	63.3	74.7
19.	18:00 Hrs. to 19:00 Hrs.	65	71.5	72.2
20.	19:00 Hrs. to 20:00 Hrs.	65	69.2	82.0
21.	20:00 Hrs. to 21:00 Hrs.	65	67.8	78.9
22.	21:00 Hrs. to 22:00 Hrs.	55	68.1	83.7
23.	22:00 Hrs. to 23:00 Hrs.	55	64.0	81.1
24.	23:00 Hrs. to 24:00 Hrs.	55	47.5	74.2
Average equivalent sound level (Leq) in dB(A)		Day time (06:00Hrs. to 21:00 Hrs.)	66.5	66.8
		Night time (00:00 Hrs. to 06:00 Hrs. and 21:00 Hrs. to 24:00 Hrs.)	49.5	56.8

- Note: 1. Day time is reckoned between 6:00 a.m. and 9:00 p.m.  
 2. Night time is reckoned between 9:00 p.m. and 6:00 a.m.  
 3. Ambient Noise Standards as per Noise Pollution (Regulation & Control), Rules, 2000.

#### 5.4 Ambient Air Quality Before and During Diwali Festival.

In order to assess the ambient air quality prior and during Diwali festival, the Board has conducted the monitoring as 2 locations in the state Capital, Shillong, at Board’s Premises (Table 5.4.0) and at MUDA Complex, Police Bazar (Table 5.4.1). The recorded values shows that the Suspended Particulate Matter and Respirable Suspended Particulate Matter concentrations were found to be above the permissible limits of Ambient Air Quality Standards (National) at MUDA Complex, as per EPA Notification: GSA 176 (E), April 2002, 1996.

The values obtained are quite higher than value obtained on prior Diwali. In comparison, SPM & RSPM levels during 2009 at both the stations were found to be slightly higher than those recorded during 2008. The increase in the concentration of SPM and RSPM is mainly due to bursting of crackers increases of vehicular traffic on Diwali night apart from various other domestic activities. The bursting of fire crackers releases toxic substance into the surroundings. These are not just harmful to human beings but to all living creatures without dampening the spirit of Diwali, these are other possible means of celebrating in a healthy manner.

**Table 5.4.0 : Ambient Air Quality Data Monitoring before and during Diwali festival on October 2009 at Board’s Premises**

PARAMETERS TESTED (AVERAGE)	BEFORE DIWALI	DURING DIWALI	<i>Permissible Limits (24 hours avg.)</i>	
SPM ( $\mu\text{g}/\text{m}^3$ )	77.0	86.0	Pollutants	Concentrations ( $\mu\text{g}/\text{m}^3$ )
RSPM ( $\mu\text{g}/\text{m}^3$ )	65.0	74.0		Residential, Rural, and Other areas
SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	BDL	BDL	SPM	200
NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	BDL	8.1	RSPM	100
			SO <sub>2</sub>	80
			NO <sub>x</sub>	80
<i>Permissible limits of Ambient Air Quality Standards (National) for Residential, Rural, and Other areas as per EPA Notification GSR 176(E), April 02, 1996.</i>				

**Table 5.4.1 : Ambient Air Quality Monitoring Data before and during Diwali festival on October 2009 at MUDA complex, Police Bazar**

PARAMETERS TESTED (AVERAGE)	BEFORE DIWALI	DURING DIWALI	Permissible Limits (24 hours avg.)	
			Pollutants	Concentrations ( $\mu\text{g}/\text{m}^3$ )
SPM ( $\mu\text{g}/\text{m}^3$ )	126.6	200.0	Pollutants	Residential, Rural, and Other areas
RSPM ( $\mu\text{g}/\text{m}^3$ )	97.3	149.3		
SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	BDL	BDL	SPM	200
NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	16.8	26.0	RSPM	100
			SO <sub>2</sub>	80
			NO <sub>x</sub>	80
<i>Permissible limits of Ambient Air Quality Standards (National) for Residential, Rural, and Other areas as per EPA Notification GSR 176(E), April 02, 1996.</i>				

## **6 PRESENT STATE OF THE ENVIRONMENT, ENVIRONMENTAL PROBLEMS AND COUNTER MEASURES**

Meghalaya is a Hill State located in the North-Eastern region of the Country. It covers an area of about 22,429 Sq.kms. and its population as per 2001 census is 23, 06,069. Due to certain factors, the industrial development in the State has been slow and as such, the environmental pollution from industrial sources is not that significant. However, in recent years, the growth of industries in the state has increased to a certain extent from small scale stone crushing unit to large scale cement industries which gave rise to the impact of the ecological imbalance in the state, the State has been experiencing rapid population growth and fast urbanization. It is estimated that about 80% of the pollution is caused by the indiscriminate discharge or disposal of domestic sewage, trade effluents, urban solid wastes, bio-medical wastes; by domestic fuel burning and by vehicular exhaust emissions. However, the exhaust emissions from vehicles are the major contributors to air pollution since road transport is the only mode of transport in the State. Meghalaya is rich in mineral resources and the main minerals are coal and limestone, which are found in almost the entire southern belt. Mining activities are mostly in private hands and as such coal and limestone are being exploited in an unscientific and unplanned manner without any measures for reclamation of mined areas. Such mining activities have been causing severe water pollution and environmental degradation in the mining areas.

The Board has identified 1181 polluting Industrial units/establishments in the State. Most of these are small and tiny units, however, 11 of them are cement plants under large-scale industrial sector, which also falls under the 17 categories of highly polluting industries. The others are medium and small-scale such as power plants, lime calcination plants, ingot manufacturing and steel rolling mills, Ferro alloys manufacturing unit, stone crushing units, auto workshops, auto servicing units and DG Sets etc. Most of the lime calcination units are coal – fired and kilns are of traditional types (pajwa), which do not have even hood and chimney for venting out the smoke. So far, no cost effective pollution control system could be suggested for such units due to the peculiar nature of the kiln structures, the type of coal used and the climatic condition at the places where such unit are dominantly located.

The Board is regulating the discharge of effluents and air emissions from industries through the issuance of Consents to Establish/Operate under Water & Air Acts. While issuing Consents, conditions are being imposed with regard to the effluent and the emission standards to which industries have to comply with. Conditions are also stipulated for setting up effluent treatment plants and/or installing of air pollution control systems whenever they are found necessary. The Board periodically collects and analyses effluent samples for verification of compliance to the consent conditions by industrial units. The industries are also instructed to ensure that pollution control systems,

whenever necessary, are installed and commissioned within a stipulated period. In respect of new Projects, “Consents to Establish” are issued only after examining the suitability of the sites and scrutiny of the pollution control proposals. Besides, the Board is encouraging the industries to adopt cleaner production techniques based on re-cycle, re-use, and recover concepts.

During the year 2009-10, the Board received 117 nos., applications for grant of “Consent to Establish” small/medium industrial units under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981. Of these, 105 nos., were granted Consent to Establish.

The names of industries/firms which applied for Consent to Establish During the year 2009-10 are as given at Annexure-4. Those industries that were granted Consent to Establish during the year are indicated at Annexure-4(A). The industries which were granted Consent to Operate is shown at Annexure-5. Further the industries, which were granted Renewal of the Consent to Establish/Operate, are shown in Annexure-4(B) and Annexure-5(A) respectively.

## 7 ENVIRONMENTAL RESEARCH

During the year 2009-2010, the Board continued with the following study projects: -

### A. **Studies and Evaluation of Environmental and Socio-Impact of Coal Mining Impact in Jaintia Hills.**

The study work is continuing during the current year.

### B. **Bio-Monitoring of Rivers in Meghalaya.**

The aim of study is to obtain information about the state of ecological environment of water bodies, to assess the physico-chemical and bacteriological characteristics, to generate base line data on the aspects of bio-monitoring, and to plan control strategies for restoration of the pristine water quality of the water bodies.

Under the study, a two year sampling frequency was carried out during pre-monsoon and post-monsoon in order to obtain information regarding the overall health of major rivers of the state. The study work is continuing during the current year.

### C. **Ambient Air Quality Monitoring at Export Promotion Industrial Park (EPIP), Byrnihat.**

The CPCB, New Delhi has sanctioned the above mentioned study in 2007-2008 at the cost of Rs. 5,00,000.00 (Rupees Five lakhs) only. The 1<sup>st</sup> installment of Rs. 2,50,000.00 was released in February 2007.

The objective of the study is to determine the status and trends of ambient air quality, to ascertain whether the Ambient Air Quality, of the area meets the prescribed standards, and to plan control strategies for effective control of air pollution.

Under the study, sampling frequency was carried out weekly for a period of 2(two) years and the parameters analyzed include SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub>, meteorological data trace elements. The study work is continuing during the current year.

### D. **Assessment of Ground Water Quality and Identifying of Hot Spot in the State**

The project "Assessment of noise in major cities/towns in the state" was sanctioned for a total amount of Rs. 2.8 lakhs and the first instalment amounting to Rs.1.4 lakhs was released on the 27.9.2007 (vide letter No. B-11012/11(Megh)/PCP/2007/6480 dated 27.09.2007). Miscellaneous items for carrying out the study programme have been procured and the first phase of the project has been completed wherein survey and identification of the monitoring sites and field ambient noise level monitoring at those sites was conducted The second installment of Rs.

1.4 lakhs was also released on the 21.04.2010 (vide F No. B-11012/1/PCP/2010 dated 21.04.2010). The next phase of the ambient noise level monitoring (field) shall be started shortly. Other remaining works are data compilation and report writing.

**E. Assessment of Ground Water Quality and Ambient Air Quality around MSW Landfills**

The CPCB, New Delhi has sanctioned the above mentioned study in 2009 at the cost of Rs. 12,71,000.00 (Rupees Twelve lakhs seventy one thousand) only. The 1<sup>st</sup> installment of Rs. 6,35,500.00 (Rupees Six lakhs thirty five thousand five hundred) only was released in January 2009.

The aim of the study is:

- a. To monitor the water quality of ground and surface water bodies located near the landfill site.
- b. To monitor the stack incinerator.
- c. To monitor the quality of compost produced from waste processing plant and leachate generated during decomposition of organic matter in the MSW.
- d. To monitor the compliance of the treatment facility available.

**F. Status of Domestic Waste, Waste Water Treatment and Disposal**

The CPCB, New Delhi has sanctioned the above mentioned study in 2009-2010 at the cost of Rs. 2,00,000.00 (Rupees Two lakhs) only. The 1<sup>st</sup> installment of Rs. 1,40,000.00 (Rupees One lakhs forty thousand) only was released. The aim of the study is to undertake inventorization based on survey to collect station of domestic waste water generation, collection and treatment.

## **8 ENVIRONMENTAL TRAINING**

Environmental Training is one of the important tool in the administrative system of the Board since the officers and staff of the Board who had undergone for different trainings in the country and abroad has acquainted knowledge, skills, concepts, rules, and enriched their technical know how to enhance the performance of the Board.

During the year no training programmes attended by the Board's officials.

## 9 ENVIRONMENTAL AWARENESS & PUBLIC PARTICIPATION

World Environment Day is celebrated on June 5th of the calendar every year and the theme for the year 2009 is “Your Planet needs you - UNite to combat climate change”. The theme is meant to inspire all of us to do our part; to ensure and protect its natural beauty. This day is an opportunity to raise awareness worldwide about the environment and the problem facing our world today. The earth faces the grave threat of climate change. Climate Change effects will be increasingly felt by people from all walks of life, we will be affected by food, water, air, disappearance of species, rising of sea level etc.

As part of this mega event, the Meghalaya State Pollution Control Board organized a ‘Free Vehicular Emission Testing’ camp at Additional Secretariat Parking Lot, Shillong for petrol and diesel driven vehicles on the 5th June 2009.

During the ‘Free Vehicular Emission Testing’ camp, a total of 346 nos. of both petrol and diesel driven vehicles were tested, out of which 255 nos were petrol driven vehicles and 91 nos were diesel driven vehicles.

As per the findings, it was observed that 15% of petrol driven vehicles tested were found to be above the emission standards and 48% of the diesel vehicle tested, were found to produce emissions above the prescribed standards.



Inaugural function of Free Vehicular Emission testing camp as part of World Environment Day Celebration, 2009.

The Board was also organized a One-Day Awareness Programme on “Coal Mining and Environment” at Khliehriat, Jaintia Hills District on the 5th March 2010. The programme was conducted with an aim to create awareness among stakeholders like coal mine owners, miners, village headmen, NGOs and general public on the effects of unscientific coal mining and its various impacts on the environment. It was held at the Circuit House, Khliehriat, Jaintia Hills District on the 5th March 2010.

The Inaugural Session of the Programme was chaired by (L) Shri D. Hooroo, Member Secretary, Meghalaya State Pollution Control Board. Shri T. Dkhar, IAS, Deputy Commissioner, Jaintia Hills District graced the Inaugural Session as the Chief Guest. The Additional Deputy Commissioner, i/c Khliehriat Civil Sub-Division, Shri E. Kharmalki, MCS was also present as a special guest. In his welcome address, Shri A. Biswa, Chairman, Meghalaya State Pollution Control Board welcomed all those present, which included Village Headmen, NGOs, villagers, coal mine owners and members of the Press. The Chief Guest in his address highlighted his first hand experience with the detrimental impacts of unscientific coal mining. He informed that the awareness programme was to educate the people involved in coal mining on the dangers of the traditional practices which are harmful to both human health and the environment. He stressed that the programme was to make the stakeholders aware of the new methods and technologies that can be adopted to mine coal in an environmentally safe method and to protect the water bodies from the direct impacts by adopting appropriate treatment measures.

The Technical Session began with a presentation by Prof. O. P. Singh, Department of Environmental Studies, North Eastern Hill University. He presented an overview of the socio-economic and environmental condition in Jaintia Hills District as a result of coal mining. His presentation was based on various studies conducted by the University.

The second presenter was Dr. Z. Changsan, Scientist ‘C’, Central Pollution Control Board, North East Zonal Office, Shillong. Dr. Changsan presented the findings of water and ambient air monitoring works conducted by CPCB-NEZO in and around the coal mining areas of Jaintia Hills District. His findings include very high acidity in various streams which can be directly attributed to discharge from coal mines.

The third presentation was made by the Chief Project Manager, Myntdu-Leshka Hydro Electricity Project, Meghalaya State Electricity Board. He presented on the catchment area protection works carried out by the Board and stressed on acid mine drainage neutralization. He presented the preliminary findings from the pilot treatment plants installed by the board for acid mine drainage treatment and stressed that more studies have to be conducted to find a solution to the problem.

The final presentation was made by (L) Shri D. Hooroo, Member Secretary, Meghalaya State Pollution Control Board in which he showed methods that can be adopted to treat acid mine drainage before releasing it into water bodies.

The presentations were followed by an interaction between the resource persons and the public present. An active discussion took place with the resource persons pledging support to initiatives that the mine owners proposed.

The programme ended with a Vote of Thanks by Shri B. B. War, Assistant Environmental Engineer and Programme Co-ordinator, Meghalaya State Pollution Control Board.



One-Day Awareness Programme on “Coal Mining and Environment” at Khliehriat, Jaintia Hills District

On the 18th March 2010, the Board organized A One Day Programme on “Effect of Traditional Lime Kilns to Health and Environment” at Sohra Civil Sub-Division, Sohra, East Khasi Hills District. The programme was conducted with an aim to create awareness among stakeholders like lime kiln owners, village headmen, NGOs and general public on the effects of traditional lime kilns to human health and the environment. It was held at the Conference Hall in the Office of the Sub-Divisional Officer, Sohra Civil Sub-Division, Sohra on the 18th March 2010.

The Inaugural Session of the Programme was chaired by (L) Shri D. Hooroo, Member Secretary, Meghalaya State Pollution Control Board. Dr. B. D. R. Tiwari, I.A.S., Sub-Divisional Officer, Sohra Civil Sub-Division, Sohra graced the Inaugural Session as the Chief Guest. In the welcome address, Shri A. Biswa, Chairman, Meghalaya State Pollution Control Board welcomed all those present, which included Village Headmen, NGOs, villagers, lime kiln owners and members of the Press. The Chief Guest in his address stressed on the importance of such awareness programmes in order to educate the rural population on the dangers of traditional practices which are harmful to health and the environment.

The Technical Session began with a presentation by Dr. Z. Changsan, Scientist ‘C’, Central Pollution Control Board, North East Zonal Office, Shillong. Dr. Changsan presented the findings of water and ambient air monitoring works conducted by CPCB-NEZO in the streams and villages adjoining Mawsmai and also suggested techniques which will reduce air pollution during kiln loading.

The second presenter was Shri J.J. Borah, Scientist, General Engineering Division, North East Institute of Science and Technology, Jorhat. Shri Bora stressed on modern kiln technologies particularly on the design developed by Central Building Research Institute, Roorkee, Uttarakhand which has been developed for Indian conditions and which is relatively cheap and easy to adopt and maintain.

The third presentation was made by Dr. N. Syiemiong, Medical and Health Officer, Incharge Laitkynsew Public Health Centre, representing the State Health & Family Welfare Department. Dr. Syiemiong elaborated on the different health problems related with the different gases released during lime kiln operation.

The final presentation was made by Dr. (Ms) B. Nongbri, Senior Scientist, Meghalaya State Pollution Control Board. She also presented the findings of monitoring works conducted by the Board in and around the kiln cluster at Mawsmai and Noghymmai, Sohra.

The presentations were followed by an interactive session between the resource persons and the public present at the programme. The village headmen and kiln owners took active participation in airing their views and experiences with the panel.

The programme ended with a Vote of Thanks by Shri B. B. War, Assistant Environmental Engineer and Programme Co-ordinator, Meghalaya State Pollution Control Board.



Shri A. Biswa, Chairman deliver a speech during One-Day Awareness Programme on “Coal Mining and Environment” at Sohra, East Khasi Hills District



## **10 ENVIRONMENTAL STANDARDS INCLUDING THE TIME SCHEDULE FOR THEIR ENFORCEMENT**

The Board is adopting the standards prescribed by the Central Pollution Control Board and Ministry of Environment and Forests, Government of India. In case, the Standards of the said organizations are not available the Board follows the standards prescribed by the Indian Standards Institution. The Board is maintaining the enforcement Schedule prescribed by the Central pollution Control Board and Ministry of Environment and Forests, Government of India in respects of 17 categories of industries. However, in case of other industries, it has its own enforcement schedule, which is specified at the time of granting of “Consent to Establish” and “Consent to operate”.

## 11.1 PROSECUTION AND CONVICTIONS FOR ENVIRONMENTAL CONTROL

As embodied in the Water (Prevention and Control) of Pollution Act, 1974 and (Air (Prevention and Control of Pollution) 1981 and their subsequent amendments the Board took several measures to control the water and air pollution in the state by issuing Show Cause Notices to industries which failed to comply with the norms laid down in the Act.

In the state of Meghalaya there are very few industries which did not comply with the Water (Prevention and Control) of Pollution Act, 1974 and (Air (Prevention and Control of Pollution) 1981 and their subsequent amendments. In this regard during the year 2009-10 the Board has issued only 3 (THREE) Show Cause Notices to defaulting industrial units and details of which is shown in the table below.

<b>TABLE-11.1 : SHOW CAUSE NOTICE ISSUED DURING 2009 - 2010</b>				
<b>Sl. No.</b>	<b>Name of Unit/Industry</b>	<b>Date of Show Cause Notice Issued</b>	<b>Type of Unit/Industry</b>	<b>Location</b>
1	M/s Green Valliey Industries Pvt. Ltd.	12.05.2009	Cement Plant	Nongsning, Chiehruphi, Khliehriat, Jaintia Hills
2	M/s Green Valliey Industries Pvt. Ltd	12.05.2009	Power Plant	Nongsning, Chiehruphi, Khliehriat, Jaintia Hills
3	M/s Virgo Cements (P) Ltd	22.03.2010	Cement Plant	Damas, East Garo Hills District

## 11.2 CLOSURE OF INDUSTRIAL POLLUTING UNIT

In order to facilitate the objectives of the Water (Prevention and control of Pollution) 1974 and the Air (Prevention and Control of Pollution) 1981 and their subsequent amendments the Board took the measures to issue closure notice to industrial units in the state which failed to comply with the above Acts.

During the year 2009-10 there are No Closure Notice issued by the Board .

# 12 OTHER ACTIVITIES OF THE BOARD

In addition to the main functions of the Board enumerated in the Water (Prevention and control of Pollution) 1974 and the Air (Prevention and Control of Pollution) 1981 the Board also carries out the functions and activities under the Environmental (Protection) Act, 1986 which are as follows:

## 12.1.1 Under the Hazardous Waste (Management & Handling) Rules, 1989, the Board;

- Issue of authorization for handling of hazardous waste to occupier and operators in the State.
- Preparation of inventory of hazardous waste generation in the State.
- Assisting the State Govt. in inventory of disposal sites and conduct of Environmental Impact studies.
- Monitoring of facilities/infrastructure/technical capabilities in hazardous wastes handling units.

**Application for Authorisation :** The Board received the following application for Authorisation under the Rules from the following Units:-

1. M/S Colortek Pvt. Ltd.
2. M/S Cements Manufacturing Company Ltd.

**Authorisation Granted Under The Rules :** During the year 2009-2010 the Board Granted the Authorisation under the Rules to the following Unit:

1. M/S Meghalaya Cements Ltd.

**Authorisation for Collection of Used Oil :** During the year 2009-2010 no Authorisations granted to any industry/ individuals for collection of waste/used oil from automobile workshops, etc. and transporting the same to registered recyclers in Assam were renewed for a further period of one year.

## **Authorisation Renewal :**

The Authorisation granted to M/S Lafarge Umiam Mining Pvt. Ltd was renewed for a further period of one year.

### **12.1.2 Bio-Medical Waste (Management & Handling) Rules, 1989**

The Board, as the prescribed authority for implementation of the Rules has to perform the following functions & activities:-

- Inventorisation of sources generating bio-medical waste.
- Issuance of authorization to institutions generating bio-medical waste.
- Monitoring of compliance to the prescribed norms and standards for handling and management of bio-medical waste by the concerned institutions.
- Advice the Government for setting up of common facility for treatment and disposal of bio-medical waste.
- Enforcement of the provisions of the Rules in the State.
- Submission of Annual Status Report on management of bio-medical waste in the State.

#### **As per the Annual Status Report on Bio-Medical Waste In the State for the year 2009-2010 :-**

1. The Total number of Bedded Hospitals is 158, Non-Bedded Hospitals (Dispensary/Sub-centers) is 417 while Veterinary Hospitals/Research Organisations/Clinics/Diagnostic Centres, Pathological Labs, etc., account for 87 numbers.
2. There are 5475 numbers of beds in the hospitals of the State.
3. Out of the 662 numbers of HCFs in the State, 22 numbers are utilizing Common Bio-Medical Waste Incinerator installed at Mawiong, Shillong by Shillong Municipal Board while 640 numbers have their own treatment & disposal facilities.
4. The total quantity of BMW generated per day is estimated at 727.30 Kgs/day.

### **12.1.3 Municipal Solid Wastes (Management & Handling) Rules, 2000**

The functions of the Board under the Rules include:-

- Issuance of Authorization to the municipal authorities or the operator of a facility for setting up of waste processing and disposal facility and landfills.

- Monitoring the performance of waste processing and disposal facility including compliance with the standards in terms of ground water, ambient air, leachate quality, compost quality, etc.
- Submission of Annual Status Report on management of MSW in the State to the Central Pollution Control Board.

**As per the Annual Report on Municipal Solid Waste for the year 2009-2010 :-**

1. The total number of Municipal Authorities in the State is 7 (seven).
2. Number of towns in the state is 16(sixteen) (as per census 2001).
3. The total number of Application received from Urban Local Bodies (ULBs) is 4 (four) and Authorisation granted is 2(two) and 2 has not yet granted.
4. Out of 16 towns only Shillong Municipal Board and Cantonment Board have taken some initiatives in the collection, storage, and transportation of Municipal Solid Waste
5. Presently there is 1(one) Vermicompost and 1(one) mechanical compost plant operating in the State.
6. There are 5(five) open dumping sites in the State, while 1(one) landfill site has been identified.
7. There are no Waste-to-Energy projects so far.

**12.1.4 Batteries (Management & Handling) Rules, 2001.**

Under the Rules, the functions of the Board includes :-

- Preparation of inventory of Batteries Manufacturer, Importer, Re-conditioner, Assembler, Dealer, Recycler, Re-smelter & Auctioneer.
- Receipt of half-yearly returns of sales/buy back from manufacturer, importer, assembler and re-conditioner.
- Receipt of annual returns of recycling from the recyclers.
- Receipt of half-yearly returns from bulk consumers & auctioneer.
- Preparation and submission of annual compliance status report to CPCB.

During the year 2009-2010 there is no assembler, manufacturer, re-cycler or importer of lead acid batteries in the state. However, the Board has identified 38 dealers and 82 bulk consumers/auctioneers of lead acid batteries. These

include State and Central Govt. offices/establishments, Military/Para-military establishments, State Transport Corporations, Health Care Facilities, University, Industries and Companies in the state.

### **12.1.5 Recycled Plastics Manufacture and Usage Rules, 1999**

Under the Rules, the Board is a prescribed authority for implementation of the Rules relating to manufacture and recycling of Plastics.

The activities of the Board includes :-

- Inventorisation of industrial units manufacturing carry bags and containers made of plastics.
- Grant of registration for manufacturing carry bags or containers made of virgin or recycled plastics.
- Monitoring the industrial units for compliance to the provision of the Rules.

The Board circulated to all Cement Plants operating in Meghalaya about the use of plastic wastes as co-fuel in Cement Plants as instructed by the CPCB and as tested in Madhya Pradesh.

### **12.2 Functions and Activities under Water (Prevention & Control of Pollution) Cess Act, 1977.**

The function of the Board under the Act and Rules made there under is to assess and collect a cess from Local authorities/bodies and Industries consuming water for domestic and industrial purposes.

During the year 2009-2010 the amount of Cess assessment is Rs 1,14,033 (Rupees One lakh fourteen thousand and thirty three) only and Cess collection is 1,79,558 (Rupees One Lakh seventy nine thousand five hundred fifty eight) Only. The Cess collection is less to assessment in view of the fact that the local authorities' viz. SMB & GHADC and MeSEB has not made any payment to the cess bills submitted to them.

The Cess collected is remitted to the consolidated fund of India through Ministry of Environment & Forests, Government of India.

### 12.3 Public Hearing

During 2009-2010 the Board has conducted the following Public Hearing in the state.

#### 1. M/S STAR CEMENT MEGHALAYA LIMITED

PROJECT TYPE	Cement Plant alongwith Captive coal-based Thermal Power Plant
PROJECT COST	Rs.665.81 crores
CAPACITY	Cement 5300 TPD Captive Power Plant 30 MW
LOCATION	Lumshnong, Jaiñtia Hills District
DATE OF HEARING	8 <sup>th</sup> May 2009
LOCATION OF HEARING	Lumshnong, Jaiñtia Hills District
STATUS	Cleared by the Ministry of Environment and Forests, Government of India

#### 2. M/S AMRIT CEMENTS INDUSTRIES LTD.

PROJECT TYPE	Cement Plant alongwith Captive coal-based Thermal Power Plant
PROJECT COST	Rs.550 crores
CAPACITY	Cement 1.5 MTPA Captive Power Plant 25 MW
LOCATION	Umlaper, Rymbai Elaka, Jaiñtia Hills District
DATE OF HEARING	9 <sup>th</sup> November 2009
LOCATION OF HEARING	Umlaper, Rymbai Elaka, Jaiñtia Hills District
STATUS	Cleared by the Ministry of Environment and Forests, Government of India

**3. M/S GOLDSTONE CEMENTS LTD.**

PROJECT TYPE	Cement Plant alongwith Captive coal-based Thermal Power Plant
PROJECT COST	Rs.565 crores
CAPACITY	Cement 2.54 MTPA Captive Power Plant 2 x 20 MW
LOCATION	Musiang Lamare (Old), Jaiñtia Hills District
DATE OF HEARING	27 <sup>th</sup> November 2009
LOCATION OF HEARING	Musiang Lamare (Old), Jaiñtia Hills District
STATUS	Cleared by the Ministry of Environment and Forests, Government of India

# 13 FINANCE AND ACCOUNTS

The Receipts and Expenditures of the Board for the financial year 2009-2010 are as shown in the table below :

**MEGHALAYA STATE POLLUTION CONTROL BOARD : LUMPYNGAD : SHILLONG**

**Receipts and Payments Account for the year ended March 31, 2010**

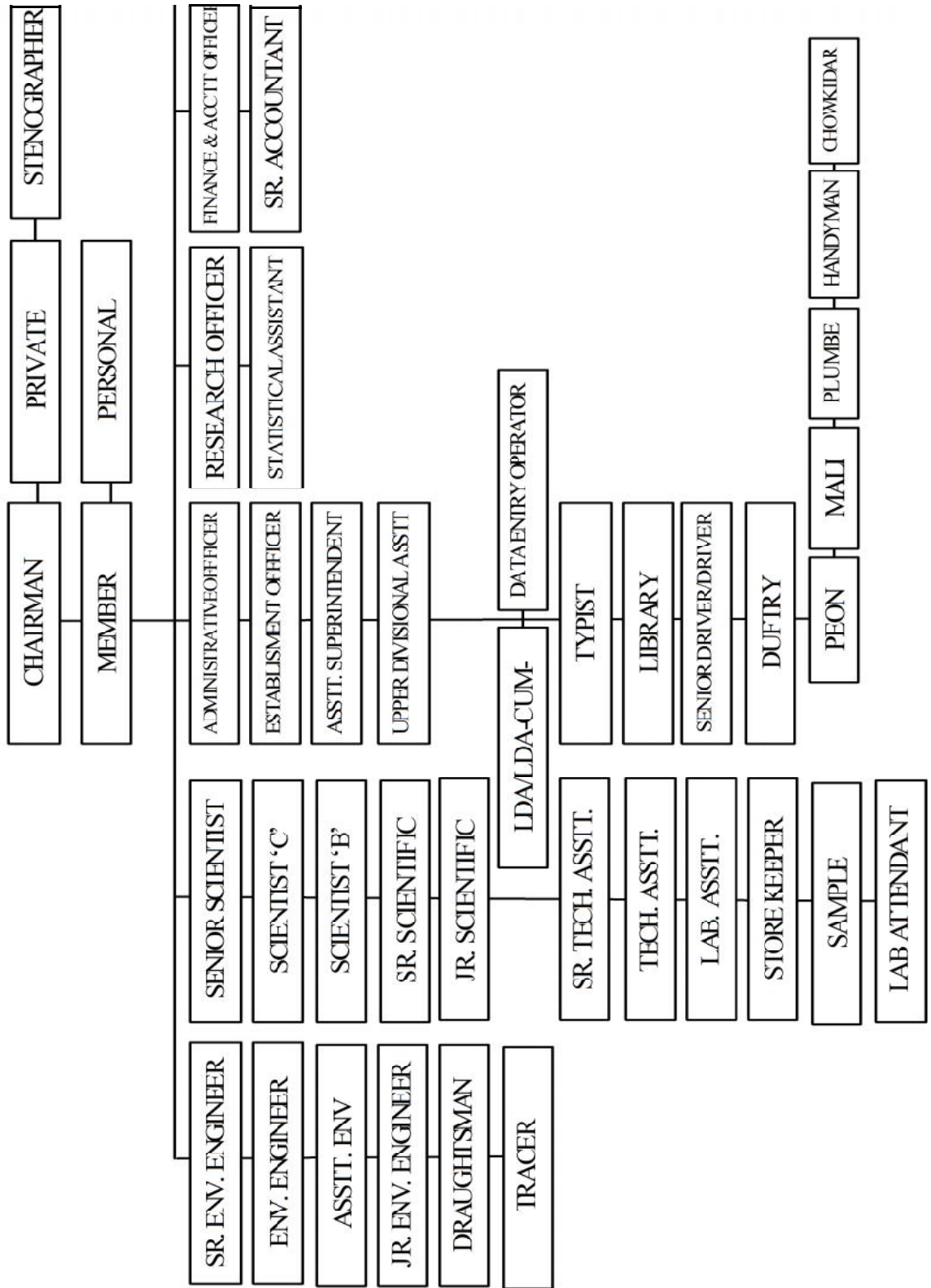
Receipts	Current Year	Payments	Current Year
<b><u>Opening Balance :</u></b>		<b>Fixed Assets</b>	2139583.00
Cash in hand	21748.26		
Cash at Bank :	53795403.52	<b>Other Assets :</b>	
		Scientific Instrument and	
		Office Appliances	11042539.00
		Tools and Plants	— 11042539.00
<b><u>Grant Received from :</u></b>		<b><u>Revenue Expenditure :</u></b>	
Ministry of Environment & Forests, Govt. of India	5112231.00	Administration :	
Department of Public Health & Engineering	14500000.00	Pay & Allowances to Officers & Staff	18066405.00
Central Pollution Control Board, Govt. of India	<u>737180.00</u>	Contribution to P.F.	707923.00
	20349411	Contingent Expenditure	<u>1990501.00</u> 20764829.00
<b><u>Grant in aid received from :</u></b>		Board Revenue	187057.00
Other Agencies	—	Running and Maintenance of Vehicle	168965.00
Fees	17712667	Repairs and Maintenance	16870.00
Interest on Investments	1473576	Advances	454000.00
Miscellaneous Receipts	1026986	Deposits	497348.00
Miscellaneous Advances	360850	Other Expenditure	957530.00
Deposits	910338	Water Cess	202149.00
		Professional Tax	62475.00
<b><u>Staff Recoveries / Deductions :</u></b>		Income Tax	55043.00
Professional Tax	62475	Sales tax deducted at Source	38658.00
Income Tax	66809		
EPF	591103	<b><u>Closing Balance :</u></b>	
GPF	123000	Cash in hand	29102.26
<b><u>Other Recoveries :</u></b>		Cash at Bank :	60997723.52
Forest Royalty	690		
Sales tax deducted at Source	1118815		0.00
<b>Total Rupees</b>	<b><u>97613871.8</u></b>	<b>Total Rupees</b>	<b><u>97613871.78</u></b>

**STAFF POSITION OF THE MEGHALAYA STATE POLLUTION CONTROL BOARD  
UP TO MARCH 2010**

SL	NAME OF THE POST	SANCTIONED STRENGTH	WORKING STRENGTH	VACANCY
	<b>ESTABLISHMENT</b>			
1.	ADMINISTRATIVE OFFICER	1	-	1
2.	PRIVATE SECRETARY TO CHAIRMAN	1	-	1
3.	RESEARCH OFFICER (Eco & Stat)	1	-	1
4.	ESTABLISHMENT OFFICER	1	1	-
5.	ASSTT. SUPERINTENDENT	1	1	-
6.	STENOGRAPHER	1	1	-
7.	STATISTICAL ASSTT.	1	-	1
8.	UPPER DIVISIONAL ASSTT.	4	4	-
9.	P.A TO MEMBER SECRETARY	1	-	1
10.	L.D.ASSTT./ LDA-CUM-TYPIST	12	1	11
11.	DATA ENTRY OPERATOR	2	2	-
12.	TYPIST	4	2	2
13.	LIBRARY ASSTT.	1	-	1
14.	SENIOR DRIVER/ DRIVER	10	5	5
15.	PEON	19	13	6
16.	MALI	1	-	1
17.	PLUMBER	1	1	-
18.	DUFTRY	1	1	-
19.	HANDY MAN	1	-	1
20.	CHOWKIDAR	3	2	1
	<b>LAW</b>			
1.	LEGAL OFFICER/ADVISER	1	-	1
2.	JUNIOR LAW OFFICER	1	1	-

<b>ACCOUNTS</b>				
1.	FINANCE & ACCOUNTS OFFICER	1	-	1
2.	SENIOR ACCOUNTANT	1	1	-
3.	JUNIOR ACCOUNTANT	2	2	-
<b>ENGINEERING</b>				
1.	SENIOR ENVIRONMENTAL ENGINEER	1	1	-
2.	ENVIRONMENTAL ENGINEER	2	2	-
3.	ASSTT.ENVIRONMENTAL ENGINEER	5	4	1
4.	JUNIOR ENVIRONMENTAL ENGINEER	1	1	-
5.	SENIOR DRAFTSMAN	1	-	1
6.	TRACER	1	1	-
<b>LABORATORY</b>				
1.	SENIOR SCIENTIST	1	1	-
2.	SCIENTIST 'C'	2	1	1
3.	SCIENTIST 'B'	3	1	2
4.	SENIOR SCIENTIFIC ASSTT.	3	-	3
5.	JUNIOR SCIENTIFIC ASSTT Gd I/II	7	4	3
6.	SENIOR TECHNICAL ASSTT.	1	1	-
7.	TECHNICAL ASSTT.	2	-	2
8.	LABORATORY ASSTT.	4	4	-
9.	STORE KEEPER	1	1	-
10.	FIELD ATTENDANT	1	-	1
11.	SAMPLE COLLECTOR	10	4	6
12.	LABORATORY ATTENDANT	4	2	2
<b>TOTAL</b>		<b>123</b>	<b>66</b>	<b>57</b>

# ORGANISATIONAL CHART 2009-2010



**LIST OF BOARD MEMBERS**

1. Chairman Meghalaya State Pollution Control Board, Shillong. : Chairman
2. Member Secretary, Meghalaya State Pollution Control Board : Member Convener

**OFFICIAL MEMBERS**

3. Chief Engineer Public Health Engineering, Meghalaya, Shillong *or* his nominee : Member
4. The Director of Industries, Meghalaya, Shillong *or* his nominee : Member
5. The Director of Health Services (Research, etc), Meghalaya, Shillong *or* his nominee : Member
6. The Director, Urban affairs, Meghalaya, Shillong *or* his nominee : Member
7. Chief Conservator of Forests (Social Forestry & Environment) Meghalaya, Shillong *or* his nominee : Member

**MEMBERS FROM LOCAL AUTHORITIES**

8. The Chief Executive Member, Khasi Hills Autonomous District Council *or* his nominee : Member
9. The Chief Executive Member, Jaintia Hills Autonomous District Council *or* his nominee : Member
10. The Chief Executive Member, Garo Hills Autonomous District Council *or* his nominee : Member
11. The Chairman, Shillong Municipal Board *or* his nominee : Member
12. The Chairman, Tura Municipal Board *or* his nominee : Member

**REPRESENTATIVES FROM CORPORATIONS**

13. The Managing Director, Meghalaya Industrial Development Corporation *or* his nominee : Member
14. The Managing Director, Mineral Development Corporation, Meghalaya *or* his nominee : Member

**NON-OFFICIAL MEMBERS**

15. Shri S.G. Lyngdoh, Mawlai Nonglum, Shillong : Member
16. Shri N.D. Shullai Jaiaw Pdeng, Shillong : Member
17. Shri D.S. Laloo, Moodiap, Nartiang, Jowai. : Member

**THIS LIST HAS BEEN INCORPORATED IN SECTION – 4 OF THE MAIN BODY OF  
A.R. MEMBERS OF THE CONSENT COMMITTEE**

1. Chairman Meghalaya State Pollution Control Board, Shillong. : Chairman
2. Senior Inspector of Boilers & Factories, Inspectorate of Boilers & Factories, Meghalaya, Shillong. : Member
3. Conservator of Forests, Meghalaya, Shillong. : Member
4. Deputy Director, Directorate of Industries, Meghalaya, Shillong. : Member
5. Director of Mineral Resources, Meghalaya, Shillong. : Member
6. Member Secretary, Meghalaya State Pollution Control Board, Shillong. : Member Convener

**MEMBERS OF THE PURCHASE COMMITTEE**

1. Chairman Meghalaya State Pollution Control Board, Shillong. : Chairman
2. Director of Industries *or* his nominee. : Member
3. Chief Engineer P.H.E Deptt. Meghalaya *or* his nominee : Member
4. The Director, Regional Sophisticated Instrument Centre, Bijni Complex, N.E.H.U, Shillong. : Member
5. Senior Scientist, Indian Council of Agricultural Research(I.C.A.R), Umiam : Member
6. Member Secretary, Meghalaya State Pollution Control Board, Shillong. : Convener

**MEMBERS OF THE SELECTION COMMITTEE [FOR GRADE – ‘A’ POSTS]**

1. Commissioner & Secretary, Govt. of Meghalaya, P.H.E.Deptt., Shillong : Chairman
2. Chairman Meghalaya State Pollution Control Board, Shillong : Member
3. Under Secretary, Govt. of Meghalaya, P.H.E. Deptt. Shillong. : Member
4. Environmental Engineer, I/C North Eastern Zonal Office, Central Pollution Control Board, Shillong. : Member
5. Member Secretary, Meghalaya State Pollution Control Board, Shillong. : Member Convener



**MEMBERS OF THE SELECTION COMMITTEE [FOR GRADE – ‘B’, ‘C’ & ‘D’ POSTS]**

1. Chairman Meghalaya State Pollution Control Board, Shillong. : Chairman
2. Chief Administrative Officer, O/o the C.E., P.H.E. Deptt. Shillong. : Member
3. Environmental Engineer, I/C North Eastern Zonal Office, Central Pollution Control Board, Shillong. : Member
4. Member Secretary, Meghalaya State Pollution Control Board, Shillong. : Member
5. Administrative Officer/E.O. Meghalaya State Pollution Control Board, Shillong. : Member Convener

**MEMBERS OF THE ASSESSMENT-CUM- PROMOTION COMMITTEE  
[FOR GRADE – ‘A’ POSTS]**

1. Chairman Meghalaya State Pollution Control Board, Shillong. : Chairman
2. Member Secretary, Meghalaya State Pollution Control Board, Shillong. : Member
3. Senior Scientist/Scientist ‘C’ : Member
4. Sr. Environmental Engineer/ Environmental Engineer : Member
5. Chief Administrative Officer, O/o the C.E., P.H.E. Deptt., Meghalaya, Shillong : Member
6. Administrative Officer/Establishment Officer Meghalaya State Pollution Control Board, Shillong. : Member Convener

**MEMBERS OF THE ASSESSMENT-CUM- PROMOTION COMMITTEE  
[FOR GRADE – ‘B’, ‘C’ & ‘D’ POSTS]**

1. Member Secretary, Meghalaya State Pollution Control Board, Shillong : Chairman
2. Chief Administrative Officer, O/o the C.E., P.H.E. Deptt., Meghalaya, Shillong : Member
3. Senior Scientist/Scientist ‘C’ : Member
4. Sr. Environmental Engineer/ Environmental Engineer : Member
5. Administrative Officer/Establishment Officer Meghalaya State Pollution Control Board, Shillong : Member Convener

<b>LIST OF INDUSTRIES THAT APPLIED FOR CONSENT TO ESTABLISH DURING 01.04.2009 TO 31.03.2010</b>				
<b>Sl. No.</b>	<b>Name of Unit/Industry</b>	<b>Date of Application</b>	<b>Type of Unit/ Location</b>	<b>Industry</b>
1	Dishnet Wireless Ltd.	09.07.2009	DG Set	WEST GARO HILLS - (1) Arogre (2) Matchakolgre (3) Okkapara
2	Dishnet Wireless Ltd.	09.07.2009	Diesel Generator	East Khasi Hills : (a) Mapankyrtiang, Saitsohpen - Sohra (b) Dongshilling (Mawsynram) -(c)Khliehshnong (Sohra), Myllem
3	JUD Cements Pvt. Ltd	23.11.2009	D.G. SET	Wahiajer, Jaintia Hills District
4	Teiborlang Stone Crusher	31.03.2010	Stone Crusher	Myria, East Khasi Hills
5	Meghalaya Cements	14.04.2009	Limestone Mining (33.45 Ha.)	Khliehjri, Thangskai, Jaintia Hills
6	Café Coffee Day	26.08.2009	Restuarant	Keating Road, Shillong, East Khasi Hills.
7	Nezone Pipes & Structures	20.03.2010	Steel Tube	Balian,Byrnihat,Ribhoi District
8	D. Rymbai Lime Kiln	28.10.2009	Lime Kiln	Nongthymmai, Mawsmmai, Sohra, East Khasi Hills
9	Transcend Infrastructure	18.05.2009	D.G. Set	Ri-Bhoi District-Umsawriang
10	Wanwar Lime	19.10.2009	Lime Kiln	Mawshamok, Tyrma, Sohra
11	W.S. Crusher	17.03.2010	Stone Crusher	Jirang,Ribhoi District
12	Dishnet Wireless Ltd	08.01.2010	DG Set	East Khasi Hills:- Marbisu, Lumpyngngad,
13	Dishnet Wireless Ltd	08.01.2010	DG Set	West Khasi Hills:-Nongnah- Bynther(Mairang),
14	Bharti Infratel Limited	24.02.2009	D.G Set	Jaintia Hills:- Mynso Village, Nongbah, Lumpyrdi (Mihmyntdu), Kyndong Tuber.
15	Bharti Infratel Limited	13.07.2009	DG Set	West Garo Hills:- Kama Dumitdikre, Metchakolgre, Tura Fancy Valley, Upper Chanmari, Teteng Aja, Upper Chandmari, Lower Chandmari.

16	KEC International Ltd.	24.04.2009	DG Set	Jaintia Hills-A: Mynkhnang, Umaldang, Khongshnong, Mukrot, Umthe, Barato, Saipung, Muktapur, Kyndongtuber, Mynsngat, Lumshyrmith, Wahiajer, Jalaphet (Sutnga), Sahsniang, Sonaroo.
17	KEC International Ltd,	02.06.2009	DG Set	East Khasi Hills: Rynky, Umniuh Tmar, Jatap, Nongsawing, Bholaganj, Nongwar, Shella Bazar, Mawiong, Jongksha, Mawsadang, Balat, Wahkdait, Mawkynew, Nohron.
18	KEC International Ltd	24.04.2009 & 01.12.2009	D.G. Set	Ribhoi District : Mawrong, Mawteng, Umdohkha, Umrit, Pilangkata, Umdu, Umtyrnga, Zero Point, Klew, Mawphru, Warmawsaw.
19	KEC International Ltd	24.04.2009	D.G Set	West Khasi Hills-A : Mawphaniew, Kynshi, Nongkrem (West Khasi Hills), Rikhen, Rangthong, Kynrud, Marshillong, Nongum
20	Meghalaya Cements Ltd,	14.04.2009	Cement Plant (EXPANSION from 900 TPD to 2600 TPD)	Thangskai, Khliehriat, Jaintia Hills
21	Power Grid Corporation Of India Ltd.	29.04.2009	D.G Set	Dongktieh, Lower Nongrah, Shillong, East Khasi Hills.
22	Print Express	14.04.2009	Printing Press	Thana Road, East Khasi Hills
23	Tsering New Restaurant	21.04.2009	Restaurant	Barapathar, Shillong, East Khasi Hills
24	Seven Hut Restaurant	21.04.2009	Restaurant	Barapathar, Shillong, East Khasi Hills
25	Hotel Pine Borough	23.04.2009	Hotel	Police Bazar, Shillong, East Khasi Hills
26	Maruti House	01.05.2009	Sales of Maruti Spares and repairing of vehicles	Dermile, Tura, West Garo Hills

27	Tibet Kitchen Restaurant	07.04.2009	Restuarant	Glory Plaza, Police Bazaar, Shillong
28	Marak Bricks Farm	08.05.2009	Bricks Farm	Bolonggre, West Garo Hills.
29	Hotel Briwel	07.05.2009	Hotel	Quinton Road, Shillong, East Khasi Hills
30	B. Khongwir Lime Product	12.05.2009	Lime Kiln	Sohdait Mawlong Sidarship, East Khasi Hills
31	Wellestar Kharshandi Stone Crusher	12.05.2009	Stone Crusher	Mawsynram, East Khasi Hills
32	Kmenlang Dong Stone Crusher	15.05.2009	Stone Crusher	Lumpyrdi, Muphlang, Jaintia Hills District
33	Sangma Bricks Industry	21.05.2009	Bricks Kiln	Ronrigre, East Garo Hills
34	S.M. Kynsai Jones	21.05.2009	Bakery	Rynjah, Shillong, East Khasi Hills
35	Nongkynrih Lime Industry	27.05.2009	Lime Kiln	Mawsynram, East Khasi Hills
36	Promilla Khylllep Lime Products	19.05.2009	Lime Kiln	Muong, Shella, East Khasi Hills
37	KEC International Ltd	14.05.2009	D.G Set	WEST GARO HILLS-A (10 SITES):- Sonagra (Chokpot Bazar), Kathalbari, Nayagoan, Rimrangpara, Majherchar, Magalpara, Chibragre, Renigre, Nandirchar, Goldagre.
38	KEC International Ltd.	02.06.2009 & 15.06.2009	D.G. Set	WEST GARO HILLS-B :- Patranga, Tikrikila (Catholic), Konarchar, New Bhaitbari, Kasaripara, Rajpur, Magurmari, Koinabhoi, Dalu, Paham, Dallengre.
39	KEC International Ltd.	02.06.2009 & 21.08.2009	D.G. Set	WEST KHASI HILLS-B :- Umdang, Marskuin, Kamphaduli, Domjarian, Ngunraw, Ranikor, Tiehnongbah, Mawkyllei, Borsora
40	Payal Tourist Hotel-	04.06.2009	Hotel	Thana Road, Shillong, East Khasi Hills District
41	S.K. Sangma Stone Crusher	08.06.2009	Stone Crusher	Bolmarongmande, West Garo Hills
42	Jennila A. Sangma Stone Crusher	08.06.2009	Stone Crusher	Tangoan, West Garo Hills



43	Transcend Infrastructure Ltd	18.05.2009	DG Set	WEST GARO HILLS,-Edenbari, Rongsaigiri, Tevronggry, Chokchokia, Gurumara, Dadengiri
44	Transcend Infrastructure Ltd	18.05.2009	DG Set	EAST KHASI HILLS :- Nongtyngur (Pynursla), Lawbah, Mawryngkang (Pongkung), Krang Nongshilliang Lumkynton, Phudphanblei (Mawsynram).
45	Transcend Infrastructure Ltd	18.05.2009	DG Set	JAINTIA HILLS :- Iooksi Kyanmynsar, 4 Kilo (Khliehriat), Nongngi (Nartiang), Bataw, Lama (Lakadong), Sohmynting (Dongneng).
46	Dishnet Wireless Ltd	04.06.2009	DG Set	JAINTIA HILLS :- Khanduli, Moodymmai, Iongnoh, Amlarem
47	Meghalaya State Electricity Board- Umiam-Umtru Stage - III	26.06.2009 Generation	Power	UMIAM-UMTRU STAGE - III Hydro Electric Project, Kyrdemkulai, Ribhoi District
48	R.R. Sangma Brick Kiln	22.06.2009	Brick Kiln	Kusimkolgre, East Garo Hills.
49	A.B.R. Sangma Bricks	22.06.2009	Brick Kiln	Kusimkolgre, East Garo Hills.
50	KEC International Ltd.	15.06.2009	DG Set	EAST GARO HILLS:- Khantolguri, Bajengdoba, Kharkutta, Chotcholja, Darakona, Samanda
51	K.K. Thangmaw Crusher	01.07.2009	Stone Crusher	20th Mile, Ribhoi District
52	Jai Balaji Shakti Cement Ltd.	21.05.2009	Cement	Lumshnong, Jaintia Hills District.
53	Cement International Ltd.	19.06.2009	Mining	Lumshnong, Narpuh, Jaintia Hills District.
54	Hope's Clininc	06.07.2009	Consultation Clinic	Barik, Shillong
55	T. Sangma Bricks	06.07.2009	Brick Kiln	Darim Bongagre, East Garo Hills
56	Bharti Infratel Ltd.	13.07.2009	DG Set	Keating Road(Shillong)
57	Dishnet Wireless Ltd.	09.07.2009	DG Set	SOUTH GARO HILLS:- Chokpotgre
58	Janata Automobile	21.07.2009	Automobile Workshop	Demseingiong, East Khasi Hills
59	Jaintia Mosaic Floor Tiles	21.07.2009	Floor Tiles Making Unit	Ialong, Jaintia Hills



60	H.M. Brick Industry	31.07.2009	Brick Kiln	Rongreng Baiza, East Garo Hills
61	G.N. Bricks Industry	31.07.2009	Brick Kiln	Dobetkolgre, East Garo Hills
62	Jdrt Stone Crusher	31.07.2009	Stone Crusher	Dawagre, East Garo Hills
63	B.P. Bricks	07.08.2009	Brick Kiln	Rongjeng Baiza, East Garo Hills
64	Shakambari Ferro Alloys (P) Ltd.	11.08.2009	Captive Power Plant	Rwiang Seinduly, West Khasi Hills District
65	Shakambari Ferro Alloys (P) Ltd.	14.08.2009	Ferro Silicon	Rwiang Seinduly, West Khasi Hills District
66	KEC International Ltd	21.08.2009	DG Set	West Garo Hills-Haribhanga, Betasing Block, Aguragre, Patharkata, Gambagre
67	K.S. Bricks	24.08.2009	Brick Kiln	Bone Wategre, East Garo Hills
68	Café Coffee Day	26.08.2009	Restuarant	Keating Road, Shillong, East Khasi Hills.
69	F.W. Suting Lime Industry	24.08.2009	Lime Kiln	Nongthymmai, Mawmai, Sohra, East Khasi Hills
70	Bozez Automobile Workshop	25.08.2009	Automobile Workshop	Demthring, East Khasi Hills
71	Dishnet Wireless Ltd.	21.08.2009, 14.09.2009, 15.10.2009, 20.10.2009 & 27.10.2009	DG Set	East Khasi Hills:- Riatsamthiah, Mawkneng(Mawngap), Sohra(Swer), Pynursla, Weilo, Mawpat, Nongrah ktieh, Pomlum, Nongrimbah-Laitumkhrah, Nongkrem
72	Dishnet Wireless Ltd.	21.08.2009, 14.09.2009, 15.10.2009 & 20.10.2009	DG Set	West Khasi Hills :- Maweit, Umdang, Riango, Mawnai (Mairang), Maroid (Moiniang), Mawkyrwat, Rambrai, Mawlein
73	Dishnet Wireless Ltd.	21.08.2009, 14.09.2009 & 20.10.2009	DG Set	Jaintia Hills District:- Tluh, Rymbai, Kuliang, Mynso, Narwan, Ladrymbai, Nongtalang
74	Hotel Highway Inn	31.07.2009	Hotel	Laitumkhrah, Shillong, East Khasi Hills
75	Cmj Breweries Pvt. Ltd.	31.08.2009	Brewery Plant	New Industrial Area, Byrnihat, Ribhoi District
76	R.K.'S City Hub Hotel	03.09.2009	Hotel	Keating Road, Shillong, East Khasi Hills

77	Lyngdoh Lime Kiln	07.09.2009	Lime Kiln	Mawsmai, East Khasi Hills District
78	Dishnet Wireless Ltd.	21.08.2009 & 15.10.2009	DG Set	Ribhoi District:- Marngar, Mawlasnai, Khyndewsaw
79	Dishnet Wireless Ltd	14.09.2009	DG Set	West Garo Hills:- Anogre
80	M. Sohpdang Crusher	17.09.2009	Stone Crusher	Baridua, 9th Mile, Ribhoi District
81	Idea Cellular Ltd.	05.10.2009	DG Set	Fire Brigade, Lumsophoh, Shillong East Khasi Hills
82	Sukrit Concrete Product Pvt. Ltd.,	22.09.2009	Stone Crusher	13th Mile Tamulkuchi, Byrnihat, Ribhoi District
83	Sri Ram Wire Products (Meghalaya)	08.10.2009	Black Wire & Wire Nail	13th Mile. Tamulkuchi, Byrnihat, Ribhoi District
84	Tura Polytechnic(Fruit Processing)	12.10.2009	Fruit Processing	Tura, West Garo Hills
85	F.W. Ferro Tech Pvt. Ltd.	07.10.2009	Rolling Mill	EPIP, Byrnihat, Ribhoi District
86	Lily Chowdhury Cashew Nut Processing Unit	14.10.2009	Cashewnut Processing Unit	Lower Babupara, Tura, West Garo Hills
87	D.Khylllep Lime Industry	20.10.2009	Lime Kiln	Umtaru, Ichamati, East Khasi Hills District
88	Wanwar Lime,	19.10.2009	Lime Kiln	Mawshamok, Tyrma, Sohra
89	KEC International Ltd.	16.10.2009	DG Set	South Garo Hills:- Rongra, Ghashapara, Baghmar
90	KEC International Ltd.	16.10.2009	DG Set	East Garo Hills:- Gokulgre, Chidmit
91	KEC International Ltd.	16.10.2009	DG Set	West Garo Hills:-Bogularbhita, Salmanpara, Gandhipara, Kalaigoan, Dingapara, Dakop, Selsella
92	Green Valliey Industries Pvt. Ltd.	30.10.2009	CEMENT AND POWER PLANT	Nongsning, Jaintia Hills
93	Lamshaphrang Nengnong Car Servicing Unit	29.10.2009	Car Servicing	Smit, East Khasi Hills District
94	Adhunik Cements Ltd.,	02.11.2009	Limestone Mining 4.90 Ha (BLOCK-II),	Mootang Thangskai, Jaintia Hills
95	JUD Cements Pvt. Ltd	23.11.2009	DG Set	Wahiajer, Narpuh, Jaintia Hills District

96	D. Rymbai Lime Kiln	28.10.2009	Lime Kiln	Nongthymmai, Mawsmmai, Sohra, East Khasi Hills
97	S.K. Marbaniang Crusher	11.11.2009	Stone Crusher	Wahmawlyngdiar, East Khasi Hills
98	Jamie Automobiles Pvt. Ltd.	11.11.2009	Automobile Workshop	Chilragre, West Garo Hills
99	S.R.M Plasto Pvt. Ltd.	11.11.2009	PVC Pipe Manufacturing	Umiam, Ribhoi District
100	Shree Sai Prakash Pvt. Ltd.	31.10.2009	Steel Rolled Products Manufacturing Unit	Rangsakona, Ribhoi District
101	L.S. Lime Processing Unit	13.12.2009	Lime Industry	Mawlong, East Khasi Hills
102	Star Cement Meghalaya Ltd.		Cement Industry	Lumshnong, Jaintia Hills District
103	Eee Cee Restaurant	18.11.2009	Restuarant	Jail Road, Police Bazar, East Khasi Hills District
104	P.Khongsit Stone Crusher,	24.11.2009	Stone Crusher	Laitkroh (Laitlyngkot), East Khasi Hills
105	Rozo Restaurant	20.11.2009	Restuarant	Dhankheti, East Khasi Hills
106	Adhunik Cements Ltd.	26.11.2009	DG Set	Lumshnong, Jaintia Hills
107	Hill Cement Co, Ltd		Cement Plant (3000 TPD EXPANSION),	Mynkre, Jaintia Hills District
108	Bimla Devi Memorial Hospital Pvt. Ltd	12.11.2009	Hospital	8th Mile, Baridua, Khanapara, Ri-Bhoi District
109	Rezz Auto Works Servicing Center	02.12.2009	Automobile Workshop-cum-Servicing Unit	Pohkse, East Khasi Hills
110	Blah Stone Crusher	30.11.2009	Stone Crusher	Lumpyngrope, Nongpathaw, East Khasi Hills
111	Donbor Lakhmi Stone Crusher	07.12.2009	Stone Crusher	Amkrem, Jirang, Ribhoi District
112	Hill Cement Co, Ltd.	23.11.2009	Limestone Mining	Mynkree, Khliehriat, Jaintia Hills
113	ITD Cementation India Ltd.- New Umtru Hydro Project	11.12.2009	DG Set	Norbung Byrnihat Ribhoi District
114	ITD Cementation India Ltd.- New Umtru Hydro Project	11.12.2009	Stone Crusher	Norbung Byrnihat, Ribhoi District

115	Lum Mawshun Mining Corporation (Formerly Lafarge Umiam Pvt. Ltd.)	16.07.2009	Independent Mobile Crusher Circuit and Conveyor Circuit	Nongtraï, Sohra, East Khasi Hills
116	Idea Cellular Limited,	12.03.2010	DG Set	Mawkhan East Khasi Hills District
117	Shree Sai Smelters Pvt. Ltd.	21.12.2009	Steel Rolled Products	Rangsakona, Nongpoh, Ri-Bhoi District

**LIST OF INDUSTRIES THAT CONSENT TO ESTABLISH GRANTED  
DURING 01.04.2009 TO 31.03.2010**

<b>Sl. No.</b>	<b>Name of Unit/Industry</b>	<b>Date of Consent To Establish Issued</b>	<b>Type of Unit/ Industry</b>	<b>Location</b>
1	ATM Cashew nut Processing IndustrProcessing Unit	30.06.2009	Cashewnut	Shymding Phulbari, West Garo Hills
2	Dishnet Wireless Ltd.	19.04.2010	D.G. Set	East Khasi Hills, Myllem
3	Meghalaya Cements Ltd,	21.07.2009	Limestone Mining (4.88 Ha)	Khliehri, Jaintia Hills District
4	Meghalaya Infratech Pvt. Ltd	21.07.2009		
5	Transcend Infrastructure Ltd	05.08.2009	DG Set	WEST GARO HILLS, :- Edenbari, Rongsaigiri, Tevronggry, Chokchokia, Gurumara, Dadengiri
6	Transcend Infrastructure Ltd	04.01.2010	DG Set	EAST KHASI HILLS :- Nongtyngur (Pynursla), Lawbah, Mawryngkang (Pongkung), Krang Nongshilliang Lumkynton, Phudphanblei (Mawsynram).
7	Transcend Infrastucture Ltd	04.01.2010	DG Set	JAINTIA HILLS :- Iooksi Kyanmynsar, 4 Kilo (Khliehriat), Nongngi (Nartiang), Bataw, Lama (Lakadong), Sohmynting (Dongneng).
8	Dishnet Wireless Ltd	30.10.2009	DG Set	JAINTIA HILLS :- Khanduli, Moodymmai, Iongnoh, Amlarem
9	A.B.R. Sangma Bricks,	15.12.2009	Bricks Industry	Kusimkolgre, East Garo Hills.
10	Cement International Ltd	15.10.2009		Lumshnong, Jaintia Hills District.
11	T. Sangma Bricks	31.08.2009	Brick Industry	Darim Bongagre, East Garo Hills
12	Bharti Infratel Ltd.	27.08.2009	DG Set	EAST KHASI HILLS :- Keating Road (Shillong),

13	Dishnet Wireless Ltd.	26.08.2009	DG Set Chokpotgre	SOUTH GARO HILLS:-
14	H.M. Brick Industry	27.08.2009	Brick Kiln Hills	Rongreng Baiza, East Garo Hills
15	JDRT Stone Crusher	27.08.2009	Stone Crusher	Dawagre, East Garo Hills
16	B.P. Bricks	26.08.2009	Brick Kiln	Rongjeng Baiza, East Garo Hills
17	K.S. Bricks	27.08.2009	Brick Kiln	Bone Wategre, East Garo Hills
18	Bozez Automobile Workshop	23.10.2009	Automobile Workshop	Demthring, East Khasi Hills
19	Dishnet Wireless Ltd.	04.03.2010	DG Set	East Khasi Hills:- Riatsamthiah, Mawkneng(Mawngap), Sohra(Swer), Pynursla, Weiloi, Mawpat, Nongrah ktieh, Pomlum, Nongrimbah-Laitumkrah, Nongkrem
20	R.K.'S City Hub Hotel	16.12.2009	Hotel	Keating Road, Shillong, East Khasi Hills
21	Dishnet Wireless Ltd	16.12.2009	DG Set	West Garo Hills:- Anogre
22	M. Sohpdang Crusher	15.12.2009	Stone Crusher	Baridua, 9th Mile, Ribhoi District
23	Idea Cellular Ltd.	20.03.2010	DG Set	Fire Brigade, Lumsophoh, Shillong East Khasi Hills
25	Lily Chowdhury Cahsew Nut Processing Unit	16.12.2009	Cashewnut Processing Unit	Lower Babupara, Tura, West Garo Hills
26	D.Khylllep Lime Industry	31.03.2010	Lime Kiln	Umtaru, Ichamati, East Khasi Hills District
27	Wanwar Lime	30.07.2010	Lime Kiln	Mawshamok, Tyrma, Sohra
28	Green Valliey Industries Pvt. Ltd.	15.12.2009	Cement & Power Plant	Nongsning, Jaintia Hills
29	Jud Cements Pvt. Ltd	16.12.2009	DG Set	Wahiajer, Narpuh, Jaintia Hills District
30	S.R.M Plasto Pvt. Ltd	16.12.2009	PVC Pipe Manufacturing	Umiam, Ribhoi District
31	Shree Sai Prakash Pvt. Ltd.	17.12.2009	Re-Rolling Mill	Rangsakona, Ribhoi District
32	Star Cement Meghalaya Ltd.	09.03.2010		Lumshnong, Jaintia Hills District
33	Adhunik Cements Ltd.	17.12.2009	DG Set	Lumshnong, Jaintia Hills

34	Hill Cement Co, Ltd	03.02.2010	Cement Plant (3000 TPD Expansion)	Mynkre, Jaintia Hills District
35	Roland Khongsteid Crusher	02.03.2010	Stone Crusher	15th Mile,Byrnihat,Ribhoi District
36	New Leaf Restaurant,	03.03.2010	Restaurant	Fire Brigade, Shillong, East Khasi Hills
37	Airport Authority Of India	23.03.2010	DG Sets	Umroi,Ribhoi District.
38	Tomyna Tlang Coal Mines	11.08.2009	Coal Mining	Madan Khimshanong,Raliang Elaka,Jaintia Hills
39	JUD Cements Pvt. Ltd	16.12.2009	D.G. Set	Wahiajer,Jaintia Hills District
40	Green Valliey Industries Pvt. Ltd.	08.06.2009	Cement Plant	Nongsning, Chieruphi, Khliehriat, Jaintia Hills
41	Green Valliey Industries Pvt. Ltd.	30.06.2009	Power Plant	Nongsning, Chieruphi, Khliehriat, Jaintia Hills
42	Dishnet Wireless Ltd	30.04.2009	DG Set	EAST KHASI HILLS (1) Lyngkhoi Village (2) Nongkrem-Smit Village
43	D. Rymbai Lime Kiln,	23.03.2010	Lime Kiln	Nongthymmai, Mawsmmai, Sohra, East Khasi Hills
44	Tata Tele Services Ltd (DG-II)	07.10.2009	DG Set	Keating Road,East Khasi Hills
45	Tata Tele Services Ltd (DG-I)	31.07.2009	DG Set	Keating Road,East Khasi Hills
46	Transcend Infrastructure	01.07.2009	D.G. Set	Pahamsyiem, Ri-Bhoi District
47	Transcend Infrastructure	07.01.2010	D.G. Set	Umsawriang, Ri-Bhoi District
48	Xcel Telecom Pvt. Ltd	19.06.2009	DG Set	WEST GARO HILLS - Chiokgre(cancelled),Thapnaldal
49	Xcel Telecom Pvt. Ltd	20.05.2009	DG Set	EAST KHASI HILLS - Phlangdkhi (Pynursla)
50	RNB Cements (P) Ltd,	31.08.2009	Power Plant (10-MW)	Umiam Industrial Estate,Ribhoi District
51	Bharti Infratel Ltd.	21.08.2009	D.G. Sets	Mawlengren, Mawrok Porsohsat, Mawten Maharam Syiemship, Nongkasen Village-West Khasi Hills.
52	Uttam Sen Auto Electricals & Battery Repairing Works	03.06.2009	Auto Electrical Repairing	Keating Road,Shillong, East Khasi Hills

53	Bharti Infratel Ltd: East Garo Hills	05.08.2009	D.G. Set	Williamnagar, East Garo Hills - Samanda Megapee, Kosichora.
54	Bharti Infratel Ltd	26.08.2009	D.G. Set	Umran - Niangbyrnai, Pahamri-oh Lum Mawlein, Mawser-Zero Point, Umroi, Kyrdemkulai-Zero Point.
55	Reliance Infratel Ltd	25.06.2009	DG Set	East Khasi Hills:- NEIGRIHMS-Mawlynrei, Police Bazar-Pegasus, Lumjingsuk-Madanrting, Upland Road-Laitumkhrah, Lower Lumparing, Mawlai Nonglum, Iewduh-P. Jasasaria, Rynjah Pdengshnong, Mawlai Kyn-ton Massar, Upper Mawprem-Mylliem Cottage
56	Reliance Infratel Ltd	31.07.2009	DG Set	East Khasi Hills:- Langkyrdem, Lumpulit (Laitlyngkot), Dangar, Oakland (Shillong), Mawlai SyllaiKariah, Bishnupur, Umlyngka, Polo Hills, Jaiaw Langsning, Dum Dum (Nongthymmai).
57	Reliance Infratel Ltd	25.06.2009	DG Set	East Khasi Hills:- Lummawkiang-Mawpat, Laitkor Peak, Mission Compound-Mawryngkneng, Sharwan Tea Estate-Sohryngkham, Valley View School- Pynthorbah, Kharmalki-Malki, Jaiaw Pdeng, Rilbong, Mawsmi-sohra, Lummawrie
58	Reliance Infratel Ltd	21.10.2009	DG Set	West Khasi Hills - Laitdom-Mawlieh-Mairang, Lumsohkh-lur-Mairang, Nongpyndeng-Nongstoin, Kynshi-Mairang, Lumawshoh-Myriaw-Mairang, Nongkhlaw-Mairang, Marwang-Rambrai, Riango, Sohiong, Maweit, Challang-Near Kynshi, Khliehlum Mawsmi (mairang).

59	Reliance Infratel Ltd	30.06.2009	DG Set	Jaintia Hills District:-Khliehriat, Kyndonsoo (Wapung Skur), Mooralong (Jowai), Chhilliangraj (Jowai), Mynthong (Jowai), Dulong (Jowai), Mission Compund (Jowai), Dkhiah (West Khliehriat), Diengsynrum (Mendihati), Lumshnong (Khliehriat), Datsympian (Ladrymbai).
60	Reliance Infratel Ltd	30.06.2009	Diesel Generator	Jaintia Hills District:-Ratachera (Khliehriat), Shangpung, Sohka (Dawki), Sohmynting (Jowai), Dongiew (Umkiang), Lumkuliang (Khliehriat), Umtyra(Khliehriat), Tuber (Ladrymbai), Pomlarein (Skhenpyrsit), Syndai (Amlarem), Nongryngkoh, Jowai.
61	Meghalaya Forest Products	30.06.2009	Saw-cum-veneer Mill	Umiam Industrial Estate,Ribhoi District
62	Dishnet Wireless Ltd.	19.06.2009	DG Set	Jaintia Hills- Amtapoh and Sehkot in Nongtalang, Jaintia Hills District
63	Sangma Stone Crushing Unit	09.07.2009	Stone Crusher	Dolwagere, East Garo Hills
64	Shillong Municipal Board	26.11.2009	Sanitary landfill	Riat Khwan Foresst, Mawlai, Shillong
65	Khanapara Associate	15.12.2009	Stone Crusher and Sand	WashingKilling, Ri-Bhoi District
66	KEC International Ltd	26.11.2009	DG Set	East Khasi Hills: Rynky,Umniuh Tmar, Jatap, Nongsawing, Bholaganj, Nongwar, Shella Bazar, Mawiong, Jongksha, Mawsadang, Balat, Wahkdait, Mawkynrew, Nohron.
67	KEC International Ltd	14.10.2009	D.G Set	West Khasi Hills-A : Mawphaniew, Kynshi, Nongkrem (West Khasi Hills), Rikhen, Rangthong, Kynrud, Marshillong, Nongum

68	Sangriang Mining Enterprise	08.05.2009	Sillimanites Mining	Langumshing, Nongstoin, West Khasi Hills
69	Meghalaya Cements Ltd,	21.07.2009	Cement Plant (Expansion From 900 - 2600 TPD)	Thangskai, Khliehriat, Jaintia Hills
70	Power Grid Corporation Of India Ltd.,	06.01.2010	D.G Set	Dongktieh, Lower Nongrah, Shillong, East Khasi Hills.
71	Print Express	15.09.2009	Printing Press	Thana Road, East Khasi Hills
72	Maruti House	09.07.2009	Sales of Maruti Spares and vehicles repairing	Dermile, Tura, West Garo Hills
73	Marak Bricks Farm	15.07.2009	Bricks Farm	Bolonggre, West Garo Hills.
74	B. Khongwir Lime Product,	21.07.2009	Lime Kiln	Sohdait Mawlong Sidarship, East Khasi Hills
75	Kmenlang Dong Stone Crusher	14.08.2009	Stone Crusher	Lumpyrdi, Muphlang, Jaintia Hills District
76	S.M. Kynsai Jones	27.01.2010	Bakery	Rynjah, Shillong, East Khasi Hills
77	Nongkynrih Lime Industry	11.08.2009	Lime Kiln	Mawsynram, East Khasi Hills
78	KEC International Ltd.	23.03.2010	D.G. Set	WEST KHASI HILLS- :- Umdang, Marskuin, Kamphaduli, Domjarian, Ngunraw, Ranikor, Tiehnongbah, Mawkyllei, Borsora
79	KEC International Ltd.	14.10.2009	DG Set	Jaintia Hills-: Mynkhnang, Umaldang, Khongshnong, Mukrot, Umthe, Barato, Saipung, Muktapur, Kyndongtuber, Mynsngat, Lumshyrmit, Wahiajer, Jalaphet (Sutnga), Sahnsniang, Sonaroo.
80	Wellestar Kharshandi Stone Crusher	11.08.2009	Stone Crusher	Mawsynram, East Khasi Hills
81	R.R. Sangma Brick Kiln	26.08.2009	Brick Kiln	Kusimkolgre, East Garo Hills.
82	A.B.R. Sangma Bricks,	26.08.2009	Brick Kiln	Kusimkolgre, East Garo Hills.
83	KEC International Ltd.	23.10.2009	DG Set	JAINZIA HILLS-Bakur, Laskein, Tamabil
84	Hope's Clinics	15.12.2009	Consultation Clinic	Barik, Shillong

85	T. Sangma Bricks	26.08.2009	Brick Kiln	Darim Bongagre, East Garo Hills
86	Janata Automobile	25.08.2009	Automobile Workshop	Demseiniong, East Khasi Hills
87	Jaintia Mosaic Floor Tiles	15.10.2009	Floor Tiles Making Unit	Ialong, Jaintia Hills
88	G.N. Bricks Industry	31.08.2009	Brick Kiln	Dobetkolgre, East Garo Hills
89	K.K. Thangmaw Crusher,	24.08.2009	Stone Crusher	20th Mile, Ribhoi District
90	F.W. Suting Lime Industry	07.10.2009	Lime Kiln	Nongthymmai, Mawmai, Sohra, East Khasi Hills
91	Hotel Highway Inn	25.03.2010	Hotel	Laitumkhrah, Shillong, East Khasi Hills
92	CMJ Breweries Pvt. Ltd.	25.09.2009	Brewery Plant	New Industrial Area, Byrnihat, Ribhoi District
93	Lyngdoh Lime Kiln	23.10.2009	Lime Kiln	Mawsmmai, East Khasi Hills District
94	Sukrit Concrete Product Pvt. Ltd.	16.12.2009	Stone Crusher	13th Mile Tamulkuchi, Byrnihat, Ribhoi District
95	Lamshaphrang Nengnong Car Servicing Unit	16.12.2009	Car Servicing	Smit, East Khasi Hills District
96	Adhunik Cements Ltd.	17.12.2009	Limestone Mining	Limestone Mining 4.90 Ha (BLOCK-II), Mootang Thangskai, Jaintia Hills
97	D. Rymbai Lime Kiln	23.03.2010	Lime Kiln	Nongthymmai, Mawsmmai, Sohra, East Khasi Hills
98	Milestone Concrete Pvt. Ltd.	21.07.2009	Stone Crushing Unit	Damas, East Garo Hills
99	Rezz Auto Works Servicing Center	09.03.2010	Automobile Workshop-cum-Servicing Unit	Pohkse, East Khasi Hills
100	Blah Stone Crusher	11.01.2010	Stone Crusher	Lumpyngrope, Nongpathaw, East Khasi Hills
101	Donbor Lakhmi Stone Crusher	08.03.2010	Stone Crusher	Amkrem, Jirang, Ribhoi District
102	ITD Cementation India Ltd.	03.02.2010	DG Set	Norbung Byrnihat, Ribhoi District

103	ITD Cementation India Ltd.	11.12.2009	Stone Crusher	Norbung Byrnihat, Ribhoi District
104	Bharti Infratel Ltd.	21.10.2009	D.G. Sets	East Khasi Hills, Sohryngkham, Myllem, Mawlyngad, Nongrimmaw-Laitumkhrah, Thynroit-Khyrim, Jongksha, Pynursla (Raid Shabong)
105	Bharti Infratel Limited	26.05.2009	D.G Set	Jaintia Hills:- Mynso Village, Nongbah, Lumpyrdi (Mihmyntdu), Kyndong Tuber.

<b>RENEWAL FOR CONSENT TO ESTABLISH ISSUED DURING 2009 - 2010</b>				
<b>Sl. No.</b>	<b>Name of Unit/Industry</b>	<b>Date of Renewal of Consent To Establish Issued</b>	<b>Type of Unit/ Industry</b>	<b>Location</b>
1	Dejira Bricks Industries	26.02.2010	Brick Kiln	Dorambok, Mukdangra, West Garo Hills
2	Pioneer Bar & Tubes (P) Ltd	25.03.2010	Manufacturing of Skelp and Tubes	Upper Balian, Umtru Road, Byrnihat
3	Sheckerson Crusher Mill	03.07.2009	Stone Crushing Unit	Rongbilbangre, West Garo Hills
4	Milestone Concrete Pvt. Ltd	25.09.2009	Stone Crushing Unit	Damas, East Garo Hills
5	Sheckerson Crusher Mill	03.07.2009	Stone Crushing Unit	Rongbilbangre, West Garo Hills
6	Ramthing Sangma Stone Crusher Unit	20.03.2010	Stone Crushing Unit	Tangoan, West Garo Hills
7	Martina Tariang Stone Crusher	29.05.2009	Stone Crushing Unit	9th Mile Khanapara, Ribhoi District
8	Broming Con-aid	07.10.2009	Water proofing Compound and Cement Adhesive Unit	Narbong, Byrnihat, Ribhoi District
9	PIONEER BAR & TUBES (P) Ltd,	25.03.2010	Mild steel and re-rolling mill	Upper Balyan, Byrnihat, Ribhoi District.

<b>CONSENT TO OPERATE ISSUED DURING 2009 - 2010</b>				
<b>Sl. No.</b>	<b>Name of Unit/Industry</b>	<b>Date of Consent to Operate Issued</b>	<b>Type of Unit/ Industry</b>	<b>Location</b>
1	Dishnet Wireless Ltd.	12.02.2010	DG Set	East & South Garo Hills Khitmagre-Ravi, Bakrapar- Mendipathar, RG Compound- Baghmara.Jacksongram (Baghmara)
2	Dishnet Wireless Ltd.	23.03.2010	DG Set	West Garo Hills: Tura, Killapara, Duragre, Chanmari, Thaprada-Jenjal, Kherapara - Nokat, Nehru Ading (Hawakhana), Harigoan (Mukdangra), Cherangre(Tura)
3	Dishnet Wireless Ltd.	12.02.2010	D.G. Set	East & South Garo Hills : Khitmagre-Ravi, Bakrapar- Mendipathar, RG Compound- Baghmara, Jacksongram (Baghmara)
4	S.S. Lakhmi Crusher	08.03.2010	Stone Crusher	New Amkrem, Jirang, Ri-Bhoi
5	Green Valliey Industries Pvt. Ltd.	24.03.2010	Cement Plant Jaintia Hills	Nongsning, Chieruphi, Khliehriat,
6	Tata Tele Services Ltd (DG-II),	23.03.2010	DG Set	Keating Road,East Khasi Hills
7	Tata Tele Services Ltd (DG-I),	23.03.2010	DG Set	Keating Road,East Khasi Hills
8	Amm Cee Café	27.01.2009	Restaurant	Jailroad,Shillong,East Khasi Hills
9	Transcend Infrastructure	27.07.2009	D.G. Set	Ri-Bhoi District-Umsawriang
10	Xcel Telecom Pvt. Ltd	27.08.2009	DG Set	EAST KHASI HILLS - Mawkajem, Pongtung, Nongmadan Mawpran, Laitlyngkot, Lyngkyrdem, Bir Sohlung Pomshutia, Rngain, Laban(Shillong), Laitkynsew- Laitmawiong (Laitlyngkot).

11	Xcel Telecom Pvt. Ltd	31.07.2009	DG Set	EAST KHASI HILLS - Phlangolkhi, Pynursla.
12	Banalari World Cars Repairing & Servicing Unit	11.09.2009	Automobile	,Mawlai Nongkwar,Shillong, East Khasi Hills District.
13	Xcel Telecom Pvt. Ltd	30.07.2009	Diesel Generator	JAINTIA HILLS -Khimmusniang (Jowai), Salini Colony (Jowai), Lumpyrtuh (Mihmyntdu), Dongmihsngi (Ladthalaboh)
14	Transcend Infrastructure	07.01.2010	D.G. Set	Ri-Bhoi District-Umsawriang
15	ATC India Tower Corporation Pvt. Ltd	30.07.2009	D.G. Set	Jaintia Hills-Wapung Skur
16	Khonglah Lime Industry	25.03.2010	Lime Kiln	Lum wah Mawria, Pynursla, East Khasi Hills
17	Hotel Anuradha	31.07.2009	Hotel	Thana Road, Shillong East Khasi Hills
18	Print Express	19.11.2009	Printing Press	Thana Road, East Khasi Hills
19	Tsering New Restaurant	23.06.2009	Restaurant	Barapathar, Shillong, East Khasi Hills
20	Seven Hut Restaurant	22.06.2009	Restaurant	Barapathar, Shillong, East Khasi Hills
21	Tibet Kitchen Restaurant	30.03.2010	Restuarant	Glory Plaza, Police Bazaar, Shillong
22	S.M. Kynsai Jones Bakery	08.03.2010	Bakery	Rynjah, Shillong, East Khasi Hills
23	Hotel Briwel	29.05.2009	Hotel	Quinton Road, Shillong, East Khasi Hills
24	Meghalaya State Electricity Board-Hydro Electrict Project ,Umiam-Umtru Stage - III	17.12.2009	Power Generation	Kyrdemkulai, Ribhoi District
25	Transcend Infrastructure Ltd	30.03.2010	DG Set	WEST GARO HILLS,;- Edenbari, Rongsaigiri, Tevronggry, Chokchokia, Gurumara, Dadengiri
26	Transcend Infrastructure Ltd	17.02.2010	DG Set	EAST KHASI HILLS :- Nongtyngur (Pynursla), Lawbah, Mawryngkang (Pongkung), Krang Nongshilliang Lumkynton, Phudphanblei (Mawsynram).

27	Transcend Infrastructure Ltd	03.03.2010	DG Set	JAINZIA HILLS :- Iooksi Kyannmysar, 4 Kilo (Khliehriat), Nongngi (Nartiang), Bataw, Lama (Lakadong), Sohmynting (Dongneng).
28	F.W. Suting Lime Industry	17.02.2010	Lime Kiln East Khasi Hills	Nongthymmai, Mawmai, Sohra,
29	Adhunik Cements Ltd.	19.01.2010	DG Set	Lumshnong, Jaintia Hills
30	Greenland Lakmi Crusher	25.05.2009	Stone Crushing Unit	Puransukubari, Jirang, Ribhoi District
31	Adhunik Cement Ltd	16.10.2009	Limestone Mining 4.9 ha. (BLOCK-I)	Mootang village, Jaintia Hills District



<b>RENEWAL FOR CONSENT TO OPERATE ISSUED DURING 2009 - 2010</b>				
<b>Sl. No.</b>	<b>Name of Unit/Industry</b>	<b>Date of Consent to Operate Issued</b>	<b>Type of Unit/ Industry</b>	<b>Location</b>
1	Volga Mistan Bhandar,	30.04.2009	Dairy	Laitumkhras Bazaar, East Khasi Hills
2	Wallamphang Roy Servicing Centre	26.08.2009	Automobile Servicing Centre	Jingkieng Nongthymmai, Shillong.
3	Pratima Hotel	30.04.2009	Hotel	Laitumkhras Bazaar, East Khasi Hills
4	Youn Sen Restaurant	04.11.2009	Restaurant	Polica Bazaar, Kyndai Lad, Shillong.
5	Sharma Tea Stall	20.05.2009	Restaurant	Umsohsun Road, Shillong
6	Sharma Bhojanalaya	20.05.2009	Restaurant	Umsohsun Road, Shillong
7	Stash Restaurant	02.06.2009	Restaurant	Motphran, Shillong
8	Great Wall Restaurant,	23.06.2009	Restaurant	Thana Road, Shillong, East Khasi Hills
9	Vikash Saw-Cum-Veneer Mill	18.05.2009	Sawmill	Umiam Industrial Area, Ribhoi District
10	Meghalaya Mineral Products	30.04.2009	Re-Rolling Mill	EPIP, Byrnihat, Ribhoi District
11	Rice Bowl Restaurant	27.07.2009	Restaurant	Police Bazaar, Shillong
12	Annapurna Restaurant	15.06.2009	Restaurant	Police Bazar, Shillong, East Khasi Hills
13	Anupam Restaurant	26.05.2009	Restaurant	Police Bazar, Shillong, East Khasi Hills
14	Meghalaya Alloys Pvt. Ltd.-Ms Ingots & Rolling Mills	21.04.2009	Re-rolling Mill	EPIP, Byrnihat, Ribhoi District
15	Colortek (Meghalaya) Pvt. Ltd.	03.07.2009	Cosmetics Manufacturing Unit	Byrnihat, Ribhoi District
16	N. E. Indira Gandhi Regional Institute Of Health & M.S.	03.02.2010	DG Set	Mawdiangdiang, Shillong-12, East Khasi Hills
17	New Ghanching Restaurant	23.07.2009	Restaurant	Iewduh, Shillong, East Khasi Hills
18	Garden Hotel, Quinton Road	27.08.2009	Lodge	Police Bazar, Shillong, East Khasi Hills

19	Vaishali Restaurant	12.10.2009	Restaurant	Police Bazar, Shillong, East Khasi Hills
20	Hotel Godwin, G.S. Road,	26.08.2009	Lodge	Police Bazar, Shillong, East Khasi Hills
21	N. E. Indira Gandhi Regional Institute Of Health Ms	03.02.2010	Sewerage Treatment Plant	Mawdiangdiang, Shillong-12, East Khasi Hills
22	Subhujan Restaurant,	15.03.2010	Restaurant	Police Bazar, Shillong, East Khasi Hills
23	Wessly Doloi Stone Crusher	15.06.2009	Stone Crushing Unit	Rani, Jirang, Ribhoi District
24	Wessly Doloi Stone Crusher	03.07.2009	Stone Crushing Unit	Iew-um-pyur, Jirang, Ribhoi District
25	Starlin Rynjah Stone Crushing Unit	21.08.2009	Stone Crushing Unit	Mawrie, Lumheh, Sohryngkham, E. Khasi Hills
26	Daman Restaurant	10.03.2010	Restaurant	Rapsang Complex, Keating Road, Shillong, East Khasi Hills
27	Jaintia Coke Pvt. Ltd.	16.12.2009	Mettalurgical Coke Unit	Nongsning, Khliehriat, Jaintia Hills
28	Eastern Panorama Offset Press	30.04.2009	Printing Press	Keating Road, Shillong, East Khasi Hills
29	Ishaan Technologies	19.10.2009	Machine Making Unit	Anjok, Byrnihat, Ribhoi District
30	Broming Con-Aid	07.10.2009	Water proofing Compound and Cement Adhesive Unit	Narbong, Byrnihat, Ribhoi District
31	Hotel Alpine Continental	07.04.2009	Hotel	Thana Road, Shillong, East Khasi Hills
32	Byrnihat Oxygen Pvt. Ltd.	06.05.2009	Oxygen and Nitrogen Gas Bottling Unit	Byrnihat, Ribhoi District
33	Megha Polycon (P) Ltd.	24.04.2009	Water Storage Tank Manufacturing Unit	Byrnihat, Ribhoi District
34	Nezone Industries Ltd.	07.05.2009	M.S. Tubes	EPIP, Byrnihat, Ribhoi District
35	Nezone Steels (Meghalaya) Ltd.	07.05.2009	Ferro Silicon Unit	EPIP, Byrnihat, Ribhoi District

36	Maithan Smelters (P) Ltd.	15.01.2010	Silico,Ferro, Ferro Silicon Manganese	EPIP, Byrnihat,Ribhoi District
37	Shyam Century Ferrous Ltd.,	23.10.2009	Ferro Silicon & Silicon Manganese	EPIP, Byrnihat,Ri-Bhoi District
38	Micasa Hotel	05.05.2009	Hotel	Police Bazar,Shillong,East Khasi Hills
39	Pegasus Crown	22.04.2009	Hotel	Police Bazar,Shillong,East Khasi Hills
40	M.D.H Beverages	12.05.2009	IMFL Bottling Plant	Umiam Industrial Area,Ribhoi District
41	Meghalaya Cast & Alloys (P) Ltd.	16.02.2010	Mild Steel Ingots	Harlibagan,Byrnihat, Ribhoi District

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